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# Status

## System

Hostname	ELS61-E
Model	EmbWir-Dorin
Architecture	Atheros AR9330 rev 1
Firmware Version	OpenWrt 18.06.1 gto-ew-r38-995c5f4 / LuCI openwrt-18.06 branch (git-18.228.31946-f64b152)
Kernel Version	4.9.120
Local Time	Wed Jan 15 18:15:34 2020
Uptime	1h 10m 40s
Load Average	1.64, 0.85, 0.74

## Memory

Total Available	<div style="width: 62%;"><div style="width: 37832 kB / 60180 kB (62%)"></div></div>
Free	<div style="width: 58%;"><div style="width: 35292 kB / 60180 kB (58%)"></div></div>
Buffered	<div style="width: 4%;"><div style="width: 2540 kB / 60180 kB (4%)"></div></div>

## Network

IPv4 Upstream	IPv6 Upstream
<b>Protocol:</b> Static address <b>Address:</b> 192.168.0.105 <b>Netmask:</b> 255.255.255.0 <b>Gateway:</b> 192.168.0.1 <b>Connected:</b> 1h 10m 12s   <b>Device:</b> Bridge: "br-lan" <b>MAC-Address:</b> 00:1F:7D:F1:1E:C7	<b>Protocol:</b> Not connected <b>Address:</b> :: <b>Gateway:</b> ::   <b>Device:</b> -

Active Connections 20 / 16384 (0%)

## Active DHCP Leases

Hostname	IPv4-Address	MAC-Address	Leasetime remaining
There are no active leases.			

## Active DHCPv6 Leases

Host	IPv6-Address	DUID	Leasetime remaining
There are no active leases.			

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## Firewall Status

IPv4 Firewall	IPv6 Firewall
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### Table: Filter

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#### Chain INPUT (Policy: ACCEPT, Packets: 1, Traffic: 40.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
4530	363.76 KB	ACCEPT	all	lo	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
10345	1.30 MB	input_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom input rule chain */
8573	1004.58 KB	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate RELATED,ESTABLISHED /* Ifw3 */
100	5.08 KB	syn_flood	tcp	*	*	0.0.0.0/0	0.0.0.0/0	tcp flags:0x17/0x02 /* Ifw3 */
1772	331.11 KB	zone_lan_input	all	br-lan	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
0	0.00 B	zone_wan_input	all	eth0.2	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain FORWARD (Policy: DROP, Packets: 0, Traffic: 0.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
2	376.00 B	forwarding_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom forwarding rule chain */
0	0.00 B	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate RELATED,ESTABLISHED /* Ifw3 */
2	376.00 B	zone_lan_forward	all	br-lan	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
0	0.00 B	zone_wan_forward	all	eth0.2	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
0	0.00 B	reject	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain OUTPUT (Policy: ACCEPT, Packets: 0, Traffic: 0.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
4530	363.76 KB	ACCEPT	all	*	lo	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
9312	2.82 MB	output_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom output rule chain */
9311	2.82 MB	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate RELATED,ESTABLISHED /* Ifw3 */
1	40.00 B	zone_lan_output	all	*	br-lan	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
0	0.00 B	zone_wan_output	all	*	eth0.2	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain reject (References: 3)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	REJECT	tcp	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */ reject-with tcp-reset
0	0.00 B	REJECT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */ reject-with icmp-port-unreachable

#### Chain syn\_flood (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
100	5.08 KB	RETURN	tcp	*	*	0.0.0.0/0	0.0.0.0/0	tcp flags:0x17/0x02 limit: avg 25/sec burst 50 /* Ifw3 */
0	0.00 B	DROP	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_lan\_dest\_ACCEPT (References: 4)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
3	416.00 B	ACCEPT	all	*	br-lan	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_lan\_forward (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
2	376.00 B	forwarding_lan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom lan forwarding rule chain */
2	376.00 B	zone_wan_dest_ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Zone lan to wan forwarding policy */
0	0.00 B	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate DNAT /* Ifw3: Accept port forwards */
2	376.00 B	zone_lan_dest_ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_lan\_input (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
1772	331.11 KB	input_lan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom lan input rule chain */
0	0.00 B	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate DNAT /* Ifw3: Accept port redirections */
1772	331.11 KB	zone_lan_src_ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_lan\_output (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
1	40.00 B	output_lan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom lan output rule chain */
1	40.00 B	zone_lan_dest_ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_lan\_src\_ACCEPT (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
1771	331.07 KB	ACCEPT	all	br-lan	*	0.0.0.0/0	0.0.0.0/0	ctstate NEW,UNTRACKED /* Ifw3 */

#### Chain zone\_wan\_dest\_ACCEPT (References: 2)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	DROP	all	*	eth0.2	0.0.0.0/0	0.0.0.0/0	ctstate INVALID /* Ifw3: Prevent NAT leakage */
0	0.00 B	ACCEPT	all	*	eth0.2	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_wan\_dest\_REJECT (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	reject	all	*	eth0.2	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_wan\_forward (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	forwarding_wan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom wan forwarding rule chain */
0	0.00 B	zone_lan_dest_ACCEPT	esp	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Allow-IPSec-ESP */
0	0.00 B	zone_lan_dest_ACCEPT	udp	*	*	0.0.0.0/0	0.0.0.0/0	udp dpt:500 /* Ifw3: Allow-ISAKMP */
0	0.00 B	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate DNAT /* Ifw3: Accept port forwards */
0	0.00 B	zone_wan_dest_REJECT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_wan\_input (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	input_wan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom wan input rule chain */
0	0.00 B	ACCEPT	udp	*	*	0.0.0.0/0	0.0.0.0/0	udp dpt:68 /* Ifw3: Allow-DHCP-Renew */
0	0.00 B	ACCEPT	icmp	*	*	0.0.0.0/0	0.0.0.0/0	icmp type 8 /* Ifw3: Allow-Ping */
0	0.00 B	ACCEPT	2	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Allow-IGMP */
0	0.00 B	ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	ctstate DNAT /* Ifw3: Accept port redirections */
0	0.00 B	zone_wan_src_REJECT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_wan\_output (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	output_wan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom wan output rule chain */
0	0.00 B	zone_wan_dest_ACCEPT	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_wan\_src\_REJECT (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	reject	all	eth0.2	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

### Table: NAT

#### Chain PREROUTING (Policy: ACCEPT, Packets: 1572, Traffic: 178.28 KB)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
1572	178.28 KB	prerouting_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom prerouting rule chain */
1572	178.28 KB	zone_lan_prerouting	all	br-lan	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
0	0.00 B	zone_wan_prerouting	all	eth0.2	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain POSTROUTING (Policy: ACCEPT, Packets: 592, Traffic: 40.54 KB)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
592	40.54 KB	postrouting_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom postrouting rule chain */
2	376.00 B	zone_lan_postrouting	all	*	br-lan	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */
0	0.00 B	zone_wan_postrouting	all	*	eth0.2	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_lan\_postrouting (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
2	376.00 B	postrouting_lan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom lan postrouting rule chain */

#### Chain zone\_lan\_prerouting (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
1572	178.28 KB	prerouting_lan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom lan prerouting rule chain */

#### Chain zone\_wan\_postrouting (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	postrouting_wan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom wan postrouting rule chain */
0	0.00 B	MASQUERADE	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3 */

#### Chain zone\_wan\_prerouting (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	prerouting_wan_rule	all	*	*	0.0.0.0/0	0.0.0.0/0	/* Ifw3: Custom wan prerouting rule chain */

### Table: Mangle

#### Chain FORWARD (Policy: ACCEPT, Packets: 2, Traffic: 376.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	TCPMSS	tcp	*	eth0.2	0.0.0.0/0	0.0.0.0/0	tcp flags:0x06/0x02 /* Ifw3: Zone wan MTU fixing */ TCPMSS clamp to PMTU

### Table: Raw

No chains in this table



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## Firewall Status

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### Table: Filter

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#### Chain INPUT (Policy: ACCEPT, Packets: 0, Traffic: 0.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	ACCEPT	all	lo	*	:::0	:::0	/* fw3 */
79	6.50 KB	input_rule	all	*	*	:::0	:::0	/* fw3: Custom input rule chain */
0	0.00 B	ACCEPT	all	*	*	:::0	:::0	ctstate RELATED,ESTABLISHED /* fw3 */
0	0.00 B	syn_flood	tcp	*	*	:::0	:::0	tcp flags:0x17/0x02 /* fw3 */
76	6.35 KB	zone_lan_input	all	br-lan	*	:::0	:::0	/* fw3 */
3	152.00 B	zone_wan_input	all	eth0.2	*	:::0	:::0	/* fw3 */

#### Chain FORWARD (Policy: DROP, Packets: 0, Traffic: 0.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	forwarding_rule	all	*	*	:::0	:::0	/* fw3: Custom forwarding rule chain */
0	0.00 B	ACCEPT	all	*	*	:::0	:::0	ctstate RELATED,ESTABLISHED /* fw3 */
0	0.00 B	zone_lan_forward	all	br-lan	*	:::0	:::0	/* fw3 */
0	0.00 B	zone_wan_forward	all	eth0.2	*	:::0	:::0	/* fw3 */
0	0.00 B	reject	all	*	*	:::0	:::0	/* fw3 */

#### Chain OUTPUT (Policy: ACCEPT, Packets: 6, Traffic: 564.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	ACCEPT	all	*	lo	:::0	:::0	/* fw3 */
4805	548.85 KB	output_rule	all	*	*	:::0	:::0	/* fw3: Custom output rule chain */
34	2.93 KB	ACCEPT	all	*	*	:::0	:::0	ctstate RELATED,ESTABLISHED /* fw3 */
4715	538.54 KB	zone_lan_output	all	*	br-lan	:::0	:::0	/* fw3 */
50	6.83 KB	zone_wan_output	all	*	eth0.2	:::0	:::0	/* fw3 */

#### Chain reject (References: 3)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	REJECT	tcp	*	*	:::0	:::0	/* fw3 */ reject-with tcp-reset
0	0.00 B	REJECT	all	*	*	:::0	:::0	/* fw3 */ reject-with icmp6-port-unreachable

#### Chain syn\_flood (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	RETURN	tcp	*	*	:::0	:::0	tcp flags:0x17/0x02 limit: avg 25/sec burst 50 /* fw3 */
0	0.00 B	DROP	all	*	*	:::0	:::0	/* fw3 */

#### Chain zone\_lan\_dest\_ACCEPT (References: 4)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
4715	538.54 KB	ACCEPT	all	*	br-lan	:::0	:::0	/* fw3 */

#### Chain zone\_lan\_forward (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	forwarding_lan_rule	all	*	*	:::0	:::0	/* fw3: Custom lan forwarding rule chain */
0	0.00 B	zone_wan_dest_ACCEPT	all	*	*	:::0	:::0	/* fw3: Zone lan to wan forwarding policy */
0	0.00 B	zone_lan_dest_ACCEPT	all	*	*	:::0	:::0	/* fw3 */

#### Chain zone\_lan\_input (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
76	6.35 KB	input_lan_rule	all	*	*	:::0	:::0	/* fw3: Custom lan input rule chain */
76	6.35 KB	zone_lan_src_ACCEPT	all	*	*	:::0	:::0	/* fw3 */

#### Chain zone\_lan\_output (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
4715	538.54 KB	output_lan_rule	all	*	*	:::0	:::0	/* fw3: Custom lan output rule chain */
4715	538.54 KB	zone_lan_dest_ACCEPT	all	*	*	:::0	:::0	/* fw3 */

#### Chain zone\_lan\_src\_ACCEPT (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
76	6.35 KB	ACCEPT	all	br-lan	*	:::0	:::0	ctstate NEW,UNTRACKED /* fw3 */

#### Chain zone\_wan\_dest\_ACCEPT (References: 2)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	DROP	all	*	eth0.2	:::0	:::0	ctstate INVALID /* fw3: Prevent NAT leakage */
50	6.83 KB	ACCEPT	all	*	eth0.2	:::0	:::0	/* fw3 */

#### Chain zone\_wan\_dest\_REJECT (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	reject	all	*	eth0.2	:::0	:::0	/* fw3 */

#### Chain zone\_wan\_forward (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	forwarding_wan_rule	all	*	*	:::0	:::0	/* fw3: Custom wan forwarding rule chain */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 128 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Forward */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 129 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Forward */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 1 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Forward */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 2 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Forward */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 3 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Forward */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 4 code 0 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Forward */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 4 code 1 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Forward */
0	0.00 B	zone_lan_dest_ACCEPT	esp	*	*	:::0	:::0	/* fw3: Allow-IPSec-ESP */
0	0.00 B	zone_lan_dest_ACCEPT	udp	*	*	:::0	:::0	udp dpt:500 /* fw3: Allow-ISAKMP */
0	0.00 B	zone_wan_dest_REJECT	all	*	*	:::0	:::0	/* fw3 */

#### Chain zone\_wan\_input (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
3	152.00 B	input_wan_rule	all	*	*	:::0	:::0	/* fw3: Custom wan input rule chain */
0	0.00 B	ACCEPT	udp	*	*	fc00::/6	fc00::/6	udp dpt:546 /* fw3: Allow-DHCPv6 */
0	0.00 B	ACCEPT	icmpv6	*	*	fe80::/10	:::0	ipv6-icmp type 130 code 0 /* fw3: Allow-MLD */
0	0.00 B	ACCEPT	icmpv6	*	*	fe80::/10	:::0	ipv6-icmp type 131 code 0 /* fw3: Allow-MLD */
0	0.00 B	ACCEPT	icmpv6	*	*	fe80::/10	:::0	ipv6-icmp type 132 code 0 /* fw3: Allow-MLD */
0	0.00 B	ACCEPT	icmpv6	*	*	fe80::/10	:::0	ipv6-icmp type 143 code 0 /* fw3: Allow-MLD */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 128 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 129 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 1 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 2 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 3 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 4 code 0 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 4 code 1 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
3	152.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 133 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 135 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 134 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	ACCEPT	icmpv6	*	*	:::0	:::0	ipv6-icmp type 136 limit: avg 1000/sec burst 5 /* fw3: Allow-ICMPv6-Input */
0	0.00 B	zone_wan_src_REJECT	all	*	*	:::0	:::0	/* fw3 */

#### Chain zone\_wan\_output (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
50	6.83 KB	output_wan_rule	all	*	*	:::0	:::0	/* fw3: Custom wan output rule chain */
50	6.83 KB	zone_wan_dest_ACCEPT	all	*	*	:::0	:::0	/* fw3 */

#### Chain zone\_wan\_src\_REJECT (References: 1)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	reject	all	*	eth0.2	*	:::0	/* fw3 */

### Table: Mangle

#### Chain FORWARD (Policy: ACCEPT, Packets: 0, Traffic: 0.00 B)

Pkts.	Traffic	Target	Prot.	In	Out	Source	Destination	Options
0	0.00 B	TCPMSS	tcp	*	eth0.2	:::0	:::0	tcp flags:0x06/0x02 /* fw3: Zone wan MTU fixing */ TCPMSS clamp to PMTU

### Table: Raw

No chains in this table

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## Routes

The following rules are currently active on this system.

### ARP

IPv4-Address	MAC-Address	Interface
192.168.0.112	C4:41:1E:75:E9:03	lan
192.168.0.1	34:FA:40:17:E8:35	lan

### Active IPv4-Routes

Network	Target	IPv4-Gateway	Metric	Table
lan	0.0.0.0/0	192.168.0.1	0	main
lan	192.168.0.0/24	-	0	main

### Active IPv6-Routes

Network	Target	Source	Metric	Table
lan	fde7:880f:f744::/64		1024	main
lan	ff00::/8		256	local
(eth0)	ff00::/8		256	local
wan	ff00::/8		256	local

### IPv6 Neighbours

IPv6-Address	MAC-Address	Interface
fde7:880f:f744::9c18:7ee7:b4a6:c589	C4:41:1E:75:E9:03	lan



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## Kernel Log

```
[ 0.000000] Linux version 4.9.120 (openwrt@dad59316d069) (gcc version 7.3.0 (OpenWrt GCC 7.3.0 gto-ew-r37-468ab6a) ) #0 Wed Jan 15 16:53:54 2020
[ 0.000000] MyLoader: sysp=9db8b5ab, boardp=95ab95a8, parts=b5a995a9
[ 0.000000] bootconsole [early0] enabled
[ 0.000000] CPU0 revision is: 00019374 (MIPS 24Kc)
[ 0.000000] SoC: Atheros AR9330 rev 1
[ 0.000000] Determined physical RAM map:
[ 0.000000] memory: 04000000 @ 00000000 (usable)
[ 0.000000] Initrd not found or empty - disabling initrd
[ 0.000000] Primary instruction cache 64kB, VIPT, 4-way, linesize 32 bytes.
[ 0.000000] Primary data cache 32kB, 4-way, VIPT, cache aliases, linesize 32 bytes
[ 0.000000] Zone ranges:
[ 0.000000] Normal [mem 0x0000000000000000-0x000000003fffffff]
[ 0.000000] Movable zone start for each node
[ 0.000000] Early memory node ranges
[ 0.000000] node 0: [mem 0x0000000000000000-0x000000003fffffff]
[ 0.000000] Initmem setup node 0 [mem 0x0000000000000000-0x000000003fffffff]
[ 0.000000] On node 0 totalpages: 16384
[ 0.000000] free_area_init_node: node 0, pgdat 80466314, node_mem_map 81000020
[ 0.000000] Normal zone: 128 pages used for memmap
[ 0.000000] Normal zone: 0 pages reserved
[ 0.000000] Normal zone: 16384 pages, LIFO batch:3
[ 0.000000] pcpu-alloc: s0 r0 d32768 u32768 alloc=1*32768
[ 0.000000] pcpu-alloc: [0] 0
[ 0.000000] Built 1 zonelists in Zone order, mobility grouping on. Total pages: 16256
[ 0.000000] Kernel command line: board=EW-DORIN mtdparts=spi0.0:256k(u-boot)ro,64k(u-boot-env),1600k(firmware),64k(art)ro console=ttyATH0,115200 rootfstype=squashfs noinitrd
[ 0.000000] PID hash table entries: 256 (order: -2, 1024 bytes)
[ 0.000000] Dentry cache hash table entries: 8192 (order: 3, 32768 bytes)
[ 0.000000] Inode-cache hash table entries: 4096 (order: 2, 16384 bytes)
[ 0.000000] Writing ErrCtl register=00000000
[ 0.000000] Readback ErrCtl register=00000000
[ 0.000000] Memory: 59896K/65536K available (3160K kernel code, 167K rwdata, 796K rodata, 284K init, 213K bss, 5640K reserved, 0K cma-reserved)
[ 0.000000] SLUB: Hwalign=32, Order=0-3, MinObjects=0, CPUs=1, Nodes=1
[ 0.000000] NR_IRQS:51
[ 0.000000] Clk0s: CPU:400.000MHz, DDR:400.000MHz, AHB:200.000MHz, Ref:40.000MHz
[ 0.000000] clocksource: MIPS: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 9556302233 ns
[ 0.000014] sched_clock: 32 bits at 200MHz, resolution 5ns, wraps every 10737418237ns
[ 0.007645] Calibrating delay loop... 265.42 BogoMIPS (lpj=1327104)
[ 0.088838] pid_max: default: 32768 minimum: 301
[ 0.093465] Mount-cache hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.099698] Mountpoint-cache hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.110522] clocksource: jiffies: mask: 0xffffffff max_cycles: 0xffffffff, max_idle_ns: 19112604462750000 ns
[ 0.118644] futex hash table entries: 256 (order: -1, 3072 bytes)
[ 0.125414] NET: Registered protocol family 16
[ 0.130876] MIPS: machine is EmbWlr-Dorin
[ 0.415723] clocksource: Switched to clocksource MIPS
[ 0.420724] NET: Registered protocol family 2
[ 0.424721] TCP established hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.430376] TCP bind hash table entries: 1024 (order: 0, 4096 bytes)
[ 0.436438] TCP: Hash tables configured (established 1024 bind 1024)
[ 0.442684] UDP hash table entries: 256 (order: 0, 4096 bytes)
[ 0.448227] UDP-Lite hash table entries: 256 (order: 0, 4096 bytes)
[ 0.454560] NET: Registered protocol family 1
[ 0.458484] PCI: CLS 0 bytes, default 32
[ 0.464719] Crashlog allocated RAM at address 0x3f00000
[ 0.470092] workqueue: timestamp_bits=30 max_order=14 bucket_order=0
[ 0.485159] squashfs: version 4.0 (2009/01/31) Phillip Lougher
[ 0.489447] jffs2: version 2.2 (NAND) (SUMMARY) (LZMA) (RTIME) (CMODE_PRIORITY) (c) 2001-2006 Red Hat, Inc.
[ 0.511837] io scheduler noop registered
[ 0.514223] io scheduler deadline registered (default)
[ 0.519787] Serial: 8250/16550 driver, 1 ports, IRQ sharing disabled
[ 0.526011] ar933x-uart: ttyATH0 at MMIO 0x18020000 (irq = 11, base_baud = 2500000) is a AR933X UART
[ 0.534776] console [ttyATH0] enabled
[ 0.541446] bootconsole [early0] disabled
[ 0.554141] m25p80 spi0.0: found w25q128, expected m25p80
[ 0.569407] m25p80 spi0.0: w25q128 (16384 Kbytes)
[ 0.572691] 4 cmdlinepart partitions found on MTD device spi0.0
[ 0.578581] Creating 4 MTD partitions on "spi0.0":
[ 0.583342] 0x000000000000-0x000000040000 : "u-boot"
[ 0.591172] 0x000000040000-0x000000050000 : "u-boot-env"
[ 0.598081] 0x000000050000-0x000000ff0000 : "firmware"
[ 0.619911] 2 uimage-fw partitions found on MTD device firmware
[ 0.624407] 0x000000050000-0x0000001b0000 : "kernel"
[ 0.631407] 0x0000001b0000-0x000000ff0000 : "rootfs"
[ 0.637420] mtd: device 4 (rootfs) set to be root filesystem
[ 0.641671] 1 squashfs-split partitions found on MTD device rootfs
[ 0.647895] 0x0000004a0000-0x000000ff0000 : "rootfs_data"
[ 0.656401] 0x000000ff0000-0x000001000000 : "art"
[ 0.664074] libphy: Fixed MDIO Bus: probed
[ 0.686874] libphy: ag71xx_mdio: probed
[ 1.317219] ag71xx-mdio.1: Found an AR7240/AR9330 built-in switch
[ 1.359349] eth0: Atheros AG71xx at 0xba000000, irq 5, mode:GMII
[ 1.365681] NET: Registered protocol family 10
[ 1.372968] NET: Registered protocol family 17
[ 1.376262] 8021q: 802.1Q VLAN Support v1.8
[ 1.388101] VFS: Mounted root (squashfs filesystem) readonly on device 31:4.
[ 1.395984] Freeing unused kernel memory: 284K
[ 1.398965] This architecture does not have kernel memory protection.
[ 2.310754] init: Console is alive
[ 2.313000] init: - watchdog -
[ 2.525740] random: fast init done
[ 3.702184] kmodloader: loading kernel modules from /etc/modules-boot.d/*
[ 3.791291] usbc0re: registered new interface driver usbfs
[ 3.795433] usbc0re: registered new interface driver hub
[ 3.800852] usbc0re: registered new device driver usb
[ 3.816611] ehci_hcd: USB 2.0 'Enhanced' Host Controller (EHCI) Driver
[ 3.840976] SCSI subsystem initialized
[ 3.850670] ehci-platform: EHCI generic platform driver
[ 3.854603] ehci-platform ehci-platform: EHCI Host Controller
[ 3.860278] ehci-platform ehci-platform: new USB bus registered, assigned bus number 1
[ 3.870261] ehci-platform ehci-platform: irq 3, io mem 0x1b000000
[ 3.895785] ehci-platform ehci-platform: USB 2.0 started, EHCI 1.00
[ 3.901866] hub 1-0:1.0: USB hub found
[ 3.904802] hub 1-0:1.0: 1 port detected
[ 3.909612] kmodloader: done loading kernel modules from /etc/modules-boot.d/*
[ 3.918934] init: - preinit -
[ 4.624913] usb 1-1: new high-speed USB device number 2 using ehci-platform
[ 4.937624] random: procd: uninitialized urandom read (4 bytes read)
[ 4.949428] IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 6.586920] eth0: link up (1000Mbps/Full duplex)
[ 6.590122] IPv6: ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[ 8.453265] jffs2: notice: (388) jffs2_build_xattr_subsystem: complete building xattr subsystem, 0 of xdatum (0 unchecked, 0 orphan) and 0 of xref (0 dead, 0 orphan) found.
[ 8.469193] mount_root: switching to jffs2 overlay
[ 8.516728] urandom-seed: Seeding with /etc/urandom.seed
[ 8.575386] eth0: link down
[ 8.594053] procd: - early -
[ 8.595619] procd: - watchdog -
[ 9.391319] procd: - watchdog -
[ 9.393391] procd: - ubus -
[ 9.631545] random: ubusd: uninitialized urandom read (4 bytes read)
[ 9.735423] random: ubusd: uninitialized urandom read (4 bytes read)
[ 9.741047] random: ubusd: uninitialized urandom read (4 bytes read)
[ 9.748063] procd: - init -
[ 10.229514] kmodloader: loading kernel modules from /etc/modules.d/*
[ 10.242397] ip6_tables: (C) 2000-2006 Netfilter Core Team
[ 10.261161] i2c /dev entries driver
[ 10.271061] cdc_acm 1-1:1.0: ttyACM0: USB ACM device
[ 10.277331] cdc_acm 1-1:1.2: ttyACM1: USB ACM device
[ 10.284534] cdc_acm 1-1:1.4: ttyACM2: USB ACM device
[ 10.297749] cdc_acm 1-1:1.6: ttyACM3: USB ACM device
[ 10.303997] cdc_acm 1-1:1.8: ttyACM4: USB ACM device
[ 10.316426] usbc0re: registered new interface driver cdc_acm
[ 10.320638] cdc_acm: USB Abstract Control Model driver for USB modems and ISDN adapters
[ 10.343047] Loading modules backported from Linux version wt-2017-11-01-0-gfe248fc2c180
[ 10.349687] Backport generated by backports.git v4.14-rc2-1-31-g86cf0e5d
[ 10.379741] ip_tables: (C) 2000-2006 Netfilter Core Team
[ 10.408392] nf_conntrack version 0.5.0 (1024 buckets, 4096 max)
[ 10.577164] xt_time: kernel timezone is -0000
[ 10.795320] PPP generic driver version 2.4.2
[ 10.802020] NET: Registered protocol family 24
[ 10.854543] urandom_read: 5 callbacks suppressed
[ 10.854555] random: jshn: uninitialized urandom read (4 bytes read)
[ 10.980263] kmodloader: done loading kernel modules from /etc/modules.d/*
[ 27.509115] IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 27.534413] br-lan: port 1(eth0.1) entered blocking state
[ 27.538457] br-lan: port 1(eth0.1) entered disabled state
[ 27.544354] device eth0.1 entered promiscuous mode
[ 27.548597] device eth0 entered promiscuous mode
[ 27.677890] IPv6: ADDRCONF(NETDEV_UP): br-lan: link is not ready
[ 27.732921] IPv6: ADDRCONF(NETDEV_UP): eth0.2: link is not ready
[ 29.237136] eth0: link up (1000Mbps/Full duplex)
[ 29.240339] IPv6: ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[ 29.279698] br-lan: port 1(eth0.1) entered blocking state
[ 29.283658] br-lan: port 1(eth0.1) entered forwarding state
[ 29.289539] IPv6: ADDRCONF(NETDEV_CHANGE): eth0.2: link becomes ready
[ 29.394476] IPv6: ADDRCONF(NETDEV_CHANGE): br-lan: link becomes ready
[ 30.141309] Custom GPIO-based I2C driver version 0.1.1
[ 30.145570] i2c-gpio i2c-gpio.0: using pins 20 (SDA) and 18 (SCL)
[ 70.515814] random: crng init done
```



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# Processes

This list gives an overview over currently running system processes and their status.

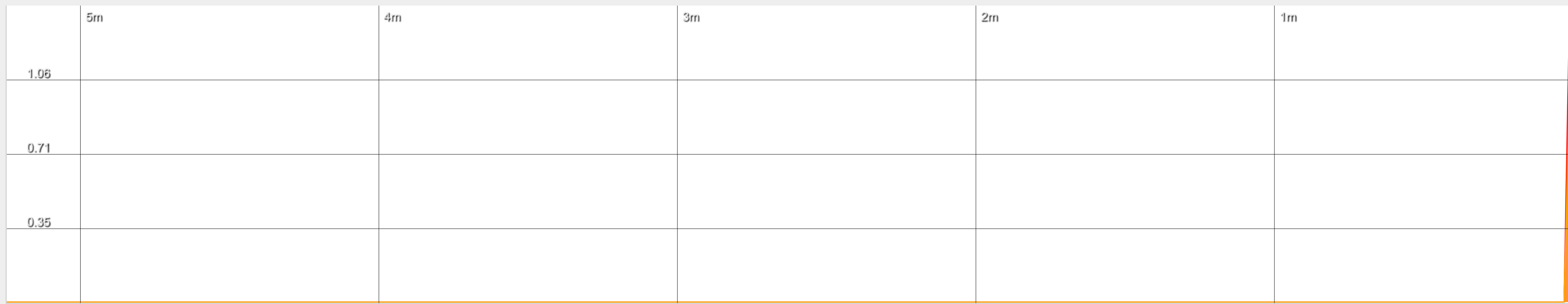
PID	Owner	Command	CPU usage (%)	Memory usage (%)	Hang Up	Terminate	Kill
1	root	/sbin/procd	0%	3%	HANG UP	TERMINATE	KILL
2	root	[kthreadd]	0%	0%	HANG UP	TERMINATE	KILL
3	root	[ksoftirqd/0]	0%	0%	HANG UP	TERMINATE	KILL
5	root	[kworker/0:0H]	0%	0%	HANG UP	TERMINATE	KILL
6	root	[kworker/u2:0]	0%	0%	HANG UP	TERMINATE	KILL
7	root	[lru-add-drain]	0%	0%	HANG UP	TERMINATE	KILL
42	root	[oom_reaper]	0%	0%	HANG UP	TERMINATE	KILL
43	root	[kworker/u2:2]	0%	0%	HANG UP	TERMINATE	KILL
74	root	[writeback]	0%	0%	HANG UP	TERMINATE	KILL
76	root	[crypto]	0%	0%	HANG UP	TERMINATE	KILL
77	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
79	root	[kblockd]	0%	0%	HANG UP	TERMINATE	KILL
104	root	[kworker/0:1]	0%	0%	HANG UP	TERMINATE	KILL
111	root	[kswapd0]	0%	0%	HANG UP	TERMINATE	KILL
170	root	[spi0]	0%	0%	HANG UP	TERMINATE	KILL
188	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
194	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
200	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
205	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
210	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
215	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
221	root	[bioset]	0%	0%	HANG UP	TERMINATE	KILL
295	root	[ipv6_addrconf]	0%	0%	HANG UP	TERMINATE	KILL
303	root	[kworker/0:1H]	0%	0%	HANG UP	TERMINATE	KILL
335	root	[kworker/0:2]	0%	0%	HANG UP	TERMINATE	KILL
389	root	[jffs2_gcd_mtd5]	0%	0%	HANG UP	TERMINATE	KILL
452	root	/sbin/ubusd	0%	2%	HANG UP	TERMINATE	KILL
456	root	/sbin/askfirst /usr/libexec/login.sh	0%	1%	HANG UP	TERMINATE	KILL
536	root	[cfg80211]	0%	0%	HANG UP	TERMINATE	KILL
645	root	/sbin/logd -S 64	0%	2%	HANG UP	TERMINATE	KILL
662	root	/sbin/rpcd	0%	3%	HANG UP	TERMINATE	KILL
771	root	/sbin/netifd	0%	3%	HANG UP	TERMINATE	KILL
803	root	/usr/sbin/odhcpd	0%	2%	HANG UP	TERMINATE	KILL
859	root	/usr/sbin/dropbear -F -P /var/run/dropbear.1.pid -p 22 -K 300 -T 3	0%	2%	HANG UP	TERMINATE	KILL
892	root	/usr/sbin/uhttpd -f -h /www -r ELS61-E -x /cgi-bin -u /ubus -t 60 -T 30 -k 20 -A 1 -n 3 -N 100 -R -p 0.0.0.0:80 -p [::]:80 -C /etc/uhttpd.crt -K /etc/uhttpd.key -s 0.0.0.0:443 -s [::]:443 -q	0%	4%	HANG UP	TERMINATE	KILL
902	root	/usr/sbin/vsftpd	0%	2%	HANG UP	TERMINATE	KILL
928	root	/usr/sbin/ser2net -n -c /tmp/ser2net.conf	0%	2%	HANG UP	TERMINATE	KILL
1162	root	ser2net -c /etc/s2n.conf	0%	2%	HANG UP	TERMINATE	KILL
1203	root	udhcpd -p /var/run/udhcpd-eth0.2.pid -s /lib/netifd/dhcp.script -f -t 0 -i eth0.2 -x hostname:ELS61-E -C -O 121	0%	2%	HANG UP	TERMINATE	KILL
1208	root	odhcp6c -s /lib/netifd/dhcpv6.script -P0 -t120 eth0.2	0%	2%	HANG UP	TERMINATE	KILL
1365	dnsmasq	/usr/sbin/dnsmasq -C /var/etc/dnsmasq.conf.cfg01411c -k -x /var/run/dnsmasq/dnsmasq.cfg01411c.pid	0%	2%	HANG UP	TERMINATE	KILL
22324	root	[kworker/u2:1]	0%	0%	HANG UP	TERMINATE	KILL
25034	root	/bin/sh ./3g.sh 3g setup wwan {"proto":"3g","contextid":"1","dialnumber":"*99***1#","device":"\dev/ttyACM0"}	0%	2%	HANG UP	TERMINATE	KILL
25063	root	{luci} /usr/bin/lua /www/cgi-bin/luci	0%	6%	HANG UP	TERMINATE	KILL
25081	root	gcom -d /dev/ttyACM0 -s /etc/gcom/getimsi.gcom	0%	2%	HANG UP	TERMINATE	KILL
25082	root	{top} /bin/busybox top -bn1	9%	2%	HANG UP	TERMINATE	KILL



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Load Traffic Connections

## Realtime Load



(5 minute window, 3 second interval)

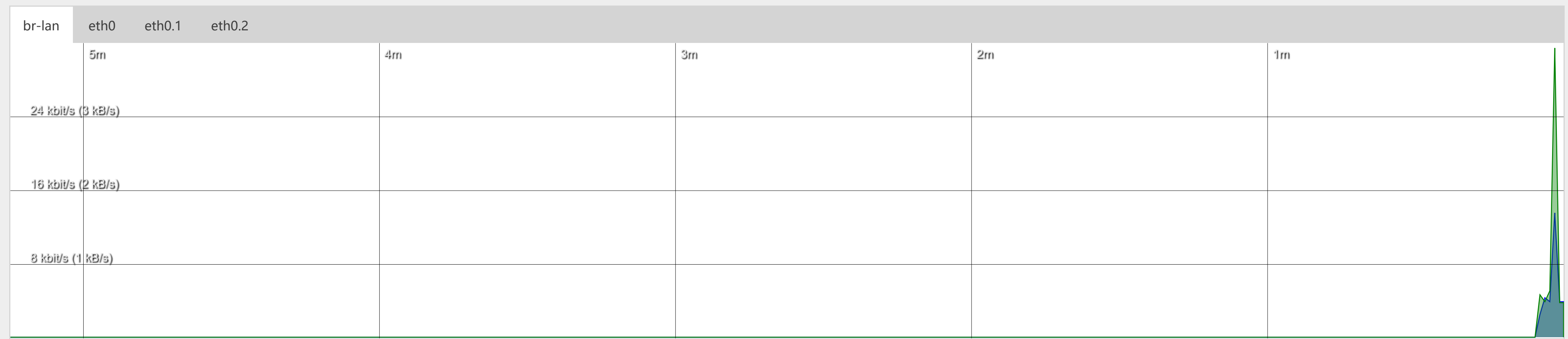
<b><u>1 Minute Load:</u></b>	1.29	<b>Average:</b>	0.65	<b>Peak:</b>	1.29
<b><u>5 Minute Load:</u></b>	1.03	<b>Average:</b>	0.52	<b>Peak:</b>	1.03
<b><u>15 Minute Load:</u></b>	0.83	<b>Average:</b>	0.41	<b>Peak:</b>	0.83

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Load **Traffic** Connections

# Realtime Traffic



(5 minute window, 3 second interval)

<b><u>Inbound:</u></b>	3.87 kbit/s (0.48 kB/s)	<b>Average:</b>	0.09 kbit/s (0.01 kB/s)	<b>Peak:</b>	13.57 kbit/s (1.7 kB/s)
<b><u>Outbound:</u></b>	3.87 kbit/s (0.48 kB/s)	<b>Average:</b>	0.16 kbit/s (0.02 kB/s)	<b>Peak:</b>	31.54 kbit/s (3.94 kB/s)



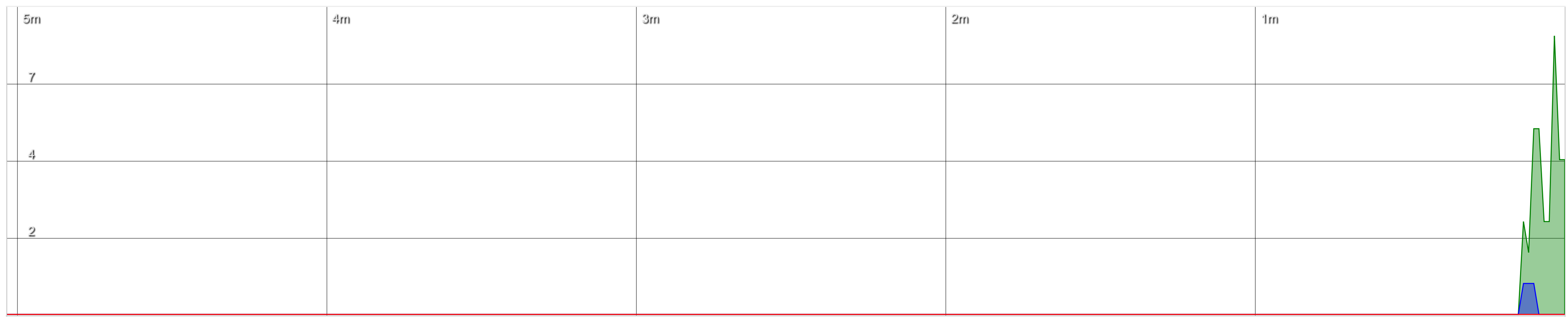
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Load Traffic **Connections**

# Realtime Connections

This page gives an overview over currently active network connections.

## Active Connections



(5 minute window, 3 second interval)

<b>UDP:</b>	0	<b>Average:</b>	0	<b>Peak:</b>	1
<b>TCP:</b>	5	<b>Average:</b>	5	<b>Peak:</b>	9
<b>Other:</b>	0	<b>Average:</b>	0	<b>Peak:</b>	0

Network	Protocol	Source	Destination	Transfer
IPV4	TCP	172.16.64.70:51030	ELS61-E.lan:443	86.58 KB (307 Pkts.)
IPV4	TCP	172.16.64.70:51029	ELS61-E.lan:443	17.28 KB (198 Pkts.)
IPV4	TCP	172.16.64.70:51049	ELS61-E.lan:443	1.74 KB (26 Pkts.)
IPV4	TCP	172.16.64.70:51051	ELS61-E.lan:443	1.74 KB (26 Pkts.)
IPV4	TCP	172.16.64.70:51050	ELS61-E.lan:443	1.74 KB (26 Pkts.)
IPV4	TCP	172.16.64.70:51048	ELS61-E.lan:443	1.74 KB (26 Pkts.)

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# System

Here you can configure the basic aspects of your device like its hostname or the timezone.

## System Properties

General Settings	Logging	Language and Style
Local Time	Wed Jan 15 18:19:12 2020	<a href="#">SYNC WITH BROWSER</a>
Hostname	ELS61-E	
Timezone	UTC	

## Time Synchronization

Enable NTP client

Provide NTP server

NTP server candidates

0.openwrt.pool.ntp.org	<a href="#">×</a>
1.openwrt.pool.ntp.org	<a href="#">×</a>
2.openwrt.pool.ntp.org	<a href="#">×</a>
3.openwrt.pool.ntp.org	<a href="#">+</a>

[SAVE & APPLY](#) [SAVE](#) [RESET](#)



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# System

Here you can configure the basic aspects of your device like its hostname or the timezone.

## System Properties

General Settings	Logging	Language and Style
	System log buffer size	64 kiB
	External system log server	0.0.0.0
	External system log server port	514
	External system log server protocol	UDP
	Write system log to file	/tmp/system.log
	Log output level	Debug
	Cron Log Level	Normal

## Time Synchronization

Enable NTP client	<input checked="" type="checkbox"/>
Provide NTP server	<input type="checkbox"/>
NTP server candidates	<div style="display: flex; flex-direction: column;"> <div>0.openwrt.pool.ntp.org <span style="float: right;">✕</span></div> <div>1.openwrt.pool.ntp.org <span style="float: right;">✕</span></div> <div>2.openwrt.pool.ntp.org <span style="float: right;">✕</span></div> <div>3.openwrt.pool.ntp.org <span style="float: right;">+</span></div> </div>

SAVE & APPLY
SAVE
RESET

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[Logout](#)

# System

Here you can configure the basic aspects of your device like its hostname or the timezone.

## System Properties

General Settings	Logging	Language and Style
	Language	auto
	Design	Material

## Time Synchronization

Enable NTP client	<input checked="" type="checkbox"/>								
Provide NTP server	<input type="checkbox"/>								
NTP server candidates	<table border="1"> <tr> <td>0.openwrt.pool.ntp.org</td> <td><input type="button" value="x"/></td> </tr> <tr> <td>1.openwrt.pool.ntp.org</td> <td><input type="button" value="x"/></td> </tr> <tr> <td>2.openwrt.pool.ntp.org</td> <td><input type="button" value="x"/></td> </tr> <tr> <td>3.openwrt.pool.ntp.org</td> <td><input type="button" value="+"/></td> </tr> </table>	0.openwrt.pool.ntp.org	<input type="button" value="x"/>	1.openwrt.pool.ntp.org	<input type="button" value="x"/>	2.openwrt.pool.ntp.org	<input type="button" value="x"/>	3.openwrt.pool.ntp.org	<input type="button" value="+"/>
0.openwrt.pool.ntp.org	<input type="button" value="x"/>								
1.openwrt.pool.ntp.org	<input type="button" value="x"/>								
2.openwrt.pool.ntp.org	<input type="button" value="x"/>								
3.openwrt.pool.ntp.org	<input type="button" value="+"/>								



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## Router Password

Changes the administrator password for accessing the device

Password	<input type="password" value="*"/>
Confirmation	<input type="password" value="*"/>

## SSH Access

Dropbear offers [SSH](#) network shell access and an integrated [SCP](#) server

### Dropbear Instance

DELETE

Interface	<input type="text" value="unspecified"/>	<input type="button" value="v"/>
Listen only on the given interface or, if unspecified, on all		
Port	<input type="text" value="22"/>	
Specifies the listening port of this Dropbear instance		
Password authentication	<input checked="" type="checkbox"/>	Allow <a href="#">SSH</a> password authentication
Allow root logins with password	<input checked="" type="checkbox"/>	Allow the root user to login with password
Gateway ports	<input type="checkbox"/>	Allow remote hosts to connect to local SSH forwarded ports

ADD

### SSH-Keys

Here you can paste public SSH-Keys (one per line) for SSH public-key authentication.

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# Software

Actions Configuration

No package lists available [UPDATE LISTS](#)

Free space: **96% (10.89 MB)**

Download and install package:  [OK](#)

Filter:  [FIND PACKAGE](#)

# Status

Available packages Installed packages

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	#
<b>Package name</b>													<b>Version</b>				<b>Size (.ipk)</b>				<b>Description</b>					
none													none				none none									

[Status](#)[System](#)[System](#)[Administration](#)[Software](#)[Startup](#)[Scheduled Tasks](#)[Backup / Flash Firmware](#)[Reboot](#)[Network](#)[Logout](#)

## OPKG-Configuration

General options for opkg

Actions

Configuration

```
dest root /
dest ram /tmp
lists_dir ext /var/opkg-lists
option overlay_root /overlay
option check_signature 1
```

SUBMIT

RESET

## Distribution feeds

Build/distribution specific feed definitions. This file will NOT be preserved in any sysupgrade.

```
src/gz openwrt_core http://downloads.openwrt.org/releases/18.06.1/targets/ar71xx/generic/packages
src/gz openwrt_base http://downloads.openwrt.org/releases/18.06.1/packages/mips_24kc/base
src/gz openwrt_luci http://downloads.openwrt.org/releases/18.06.1/packages/mips_24kc/luci
src/gz openwrt_packages http://downloads.openwrt.org/releases/18.06.1/packages/mips_24kc/packages
```

SUBMIT

RESET

## Custom feeds

Custom feed definitions, e.g. private feeds. This file can be preserved in a sysupgrade.

```
# add your custom package feeds here
#
# src/gz example_feed_name http://www.example.com/path/to/files
```

SUBMIT

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## Initscripts

You can enable or disable installed init scripts here. Changes will applied after a device reboot.  
**Warning: If you disable essential init scripts like "network", your device might become inaccessible!**

Start priority	Initscript	Enable/Disable	Start	Restart	Stop
0	sysfixtime	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
10	boot	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
10	system	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
11	sysctl	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
12	log	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
12	rpcd	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
19	dnsmasq	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
19	firewall	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
20	network	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
35	odhcpd	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
50	cron	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
50	dropbear	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
50	uhttpd	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
50	vsftpd	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
75	ser2net	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
80	ucitrack	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
94	gpio_switch	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
95	done	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
96	led	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
98	sysntpd	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>
99	urandom_seed	<input type="button" value="ENABLED"/>	<input type="button" value="START"/>	<input type="button" value="RESTART"/>	<input type="button" value="STOP"/>

## Local Startup

This is the content of /etc/rc.local. Insert your own commands here (in front of 'exit 0') to execute them at the end of the boot process.

```
userid=fw
mkdir /tmp/$userid
chown $userid /tmp/$userid
ser2net -c /etc/s2n.conf
insmod i2c-gpio-custom bus0=0,20,18,2
exit 0
```

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## Scheduled Tasks

This is the system crontab in which scheduled tasks can be defined.  
Note: you need to manually restart the cron service if the crontab file was empty before editing.

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## Flash operations

Actions

Configuration

### Backup

Click "Generate archive" to download a tar archive of the current configuration files.

Download backup:

GENERATE ARCHIVE

### Restore

To restore configuration files, you can upload a previously generated backup archive here. To reset the firmware to its initial state, click "Perform reset" (only possible with squashfs images).

Reset to defaults:

PERFORM RESET

Restore backup:

Datei auswählen

Keine ausgewählt

UPLOAD ARCHIVE...

Custom files (certificates, scripts) may remain on the system. To prevent this, perform a factory-reset first.

### Flash new firmware image

Upload a sysupgrade-compatible image here to replace the running firmware. Check "Keep settings" to retain the current configuration (requires a compatible firmware image).

Keep settings:



Image:

Datei auswählen

Keine ausgewählt

FLASH IMAGE...

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## Backup file list

Actions

Configuration

This is a list of shell glob patterns for matching files and directories to include during sysupgrade. Modified files in `/etc/config/` and certain other configurations are automatically preserved.

Show current backup file list

[OPEN LIST...](#)

```
## This file contains files and directories that should
## be preserved during an upgrade.
```

```
# /etc/example.conf
# /etc/openvpn/
/etc/chatscripts/3g.chat
/etc/ewup.sh
/etc/ewup_factory_default.sh
/etc/gmup.sh
/etc/vsftpd.denied_users
/etc/ehs6event.sh
/etc/s2n.conf
/etc/apnlist
/etc/smsd.conf
```

[SUBMIT](#)[RESET](#)



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## Network

[Logout](#)

# Reboot

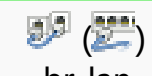



Reboots the operating system of your device

PERFORM REBOOT

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WAN WWAN WAN6 LAN

# Interfaces

<p><b>LAN</b></p>  <p>br-lan</p>	<p><b>Protocol:</b> Static address  <b>Uptime:</b> 1h 16m 51s  <b>MAC:</b> 00:1F:7D:F1:1E:C7  <b>RX:</b> 2.02 MB (16067 Pkts.)  <b>TX:</b> 4.67 MB (16981 Pkts.)  <b>IPv4:</b> 192.168.0.105/24  <b>IPv6:</b> fde7:880f:f744::1/60</p>	<p>RESTART STOP <b>EDIT</b> DELETE</p>
<p><b>WAN</b></p>  <p>eth0.2</p>	<p><b>Protocol:</b> DHCP client  <b>MAC:</b> 00:1F:7D:F1:1E:C7  <b>RX:</b> 0 B (0 Pkts.)  <b>TX:</b> 533.34 KB (1590 Pkts.)</p>	<p>RESTART STOP <b>EDIT</b> DELETE</p>
<p><b>WAN6</b></p>  <p>eth0.2</p>	<p><b>Protocol:</b> DHCPv6 client  <b>MAC:</b> 00:1F:7D:F1:1E:C7  <b>RX:</b> 0 B (0 Pkts.)  <b>TX:</b> 533.34 KB (1590 Pkts.)</p>	<p>RESTART STOP <b>EDIT</b> DELETE</p>
<p><b>WWAN</b></p>  <p>3g-wwan</p>	<p><b>Protocol:</b> UMTS/GPRS/EV-DO  <b>RX:</b> 0 B (0 Pkts.)  <b>TX:</b> 0 B (0 Pkts.)</p>	<p>RESTART STOP <b>EDIT</b> DELETE</p>

ADD NEW INTERFACE...

### Global network options

IPv6 ULA-Prefix

SAVE & APPLY SAVE RESET

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WAN WWAN WAN6 LAN

# Interfaces - WWAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation INTERFACE.VLANNR (e.g.: eth0.1).

## Common Configuration

General Setup	Advanced Settings	Firewall Settings
Status	 <b>Device:</b> 3g-wwan <b>RX:</b> 0 B (0 Pkts.) <b>TX:</b> 0 B (0 Pkts.)	
Protocol	<input type="text" value="UMTS/GPRS/EV-DO"/>	
Modem device	<input type="text" value="/dev/ttyACM0"/>	
Service Type	<input type="text" value="-- Please choose --"/>	
APN	<input type="text"/>	
PIN	<input type="text"/>	
PAP/CHAP username	<input type="text"/>	
PAP/CHAP password	<input type="password"/>	
Dial number	<input type="text" value="*99***1#"/>	

BACK TO OVERVIEW

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WAN WWAN WAN6 LAN

# Interfaces - WWAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation INTERFACE.VLANNR (e.g.: eth0.1).

## Common Configuration

General Setup	Advanced Settings	Firewall Settings
	Bring up on boot	<input checked="" type="checkbox"/>
	Use builtin IPv6-management	<input checked="" type="checkbox"/>
	Force link	<input type="checkbox"/>
	Set interface properties regardless of the link carrier (If set, carrier sense events do not invoke hotplug handlers).	
	Automatic ▾	
	Modem init timeout	20 Maximum amount of seconds to wait for the modem to become ready
	Use default gateway	<input checked="" type="checkbox"/> If unchecked, no default route is configured
	Use gateway metric	0
	Use DNS servers advertised by peer	<input checked="" type="checkbox"/> If unchecked, the advertised DNS server addresses are ignored
	LCP echo failure threshold	0 Presume peer to be dead after given amount of LCP echo failures, use 0 to ignore failures
	LCP echo interval	5 Send LCP echo requests at the given interval in seconds, only effective in conjunction with failure threshold
	Inactivity timeout	0 Close inactive connection after the given amount of seconds, use 0 to persist connection

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# Interfaces - WWAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation `INTERFACE.VLANNR` (e.g.: `eth0.1`).

## Common Configuration

General Setup   Advanced Settings   Firewall Settings

Create / Assign firewall-zone

**wan:** wan: wan6: wwan:

Choose the firewall zone you want to assign to this interface. Select unspecified to remove the interface from the associated zone or fill out the create field to define a new zone and attach the interface to it.

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# Interfaces - WAN6

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation `INTERFACE.VLANNR` (e.g.: `eth0.1`).

## Common Configuration

General Setup	Advanced Settings	Physical Settings	Firewall Settings
Status	 <b>Device:</b> eth0.2 <b>MAC:</b> 00:1F:7D:F1:1E:C7 <b>RX:</b> 0 B (0 Pkts.) <b>TX:</b> 538.82 KB (1606 Pkts.)		
Protocol	<input type="text" value="DHCPv6 client"/>		
Request IPv6-address	<input type="text" value="try"/>		
Request IPv6-prefix of length	<input type="text" value="Automatic"/>		

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# Interfaces - WAN6

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation `INTERFACE.VLANNR` (e.g.: `eth0.1`).

## Common Configuration

General Setup	Advanced Settings	Physical Settings	Firewall Settings
	Bring up on boot	<input checked="" type="checkbox"/>	
	Use builtin IPv6-management	<input checked="" type="checkbox"/>	
	Force link	<input type="checkbox"/>	Set interface properties regardless of the link carrier (If set, carrier sense events do not invoke hotplug handlers).
	Use default gateway	<input checked="" type="checkbox"/>	If unchecked, no default route is configured
	Use DNS servers advertised by peer	<input checked="" type="checkbox"/>	If unchecked, the advertised DNS server addresses are ignored
	Custom delegated IPv6-prefix	<input type="text"/>	
	Client ID to send when requesting DHCP	<input type="text"/>	
	Override MAC address	<input type="text"/>	
	Override MTU	<input type="text" value="1500"/>	

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# Interfaces - WAN6

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation INTERFACE.VLANNR (e.g.: eth0.1).

## Common Configuration

General Setup	Advanced Settings	Physical Settings	Firewall Settings
		Bridge interfaces <input type="checkbox"/> <small>creates a bridge over specified interface(s)</small>	
		Interface  eth0.2 <div style="border: 1px solid #ccc; padding: 2px; display: inline-block; margin-left: 5px;">▼</div>	

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# Interfaces - WAN6

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use VLAN notation INTERFACE.VLANNR (e.g.: eth0.1).

## Common Configuration

- General Setup
- Advanced Settings
- Physical Settings
- Firewall Settings

Create / Assign firewall-zone

**wan:**

Choose the firewall zone you want to assign to this interface. Select unspecified to remove the interface from the associated zone or fill out the create field to define a new zone and attach the interface to it.

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# Interfaces - LAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation INTERFACE.VLANNR (e.g.: eth0.1).

## Common Configuration

General Setup	Advanced Settings	Physical Settings	Firewall Settings
Status	 <b>Device:</b> br-lan <b>Uptime:</b> 1h 18m 19s <b>MAC:</b> 00:1F:7D:F1:1E:C7 <b>RX:</b> 2.09 MB (16541 Pkts.) <b>TX:</b> 4.86 MB (17568 Pkts.) <b>IPv4:</b> 192.168.0.105/24 <b>IPv6:</b> fde7:880f:f744::1/60		
Protocol	Static address		
IPv4 address	192.168.0.105		
IPv4 netmask	255.255.255.0		
IPv4 gateway	192.168.0.1		
IPv4 broadcast			
Use custom DNS servers	<input type="text"/> <input type="button" value="+"/>		
IPv6 assignment length	60		
	Assign a part of given length of every public IPv6-prefix to this interface		
IPv6 assignment hint	<input type="text"/>		
	Assign prefix parts using this hexadecimal subprefix ID for this interface.		
IPv6 suffix	::1		
	Optional. Allowed values: 'eui64', 'random', fixed value like '::1' or '::1:2'. When IPv6 prefix (like 'a:b:c:d::') is received from a delegating server, use the suffix (like '::1') to form the IPv6 address ('a:b:c:d::1') for the interface.		

## DHCP Server

General Setup	Advanced Settings	IPv6 Settings
Ignore interface	<input type="checkbox"/>	
	Disable <a href="#">DHCP</a> for this interface.	
Start	100	
	Lowest leased address as offset from the network address.	
Limit	150	
	Maximum number of leased addresses.	
Lease time	12h	
	Expiry time of leased addresses, minimum is 2 minutes (2m).	

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# Interfaces - LAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation INTERFACE.VLANNR (e.g.: eth0.1).

## Common Configuration

General Setup	Advanced Settings	Physical Settings	Firewall Settings
		Bring up on boot	<input checked="" type="checkbox"/>
		Use builtin IPv6-management	<input checked="" type="checkbox"/>
		Force link	<input checked="" type="checkbox"/>
			Set interface properties regardless of the link carrier (If set, carrier sense events do not invoke hotplug handlers).
		Override MAC address	<input type="text" value="00:1F:7D:F1:1E:C7"/>
		Override MTU	<input type="text" value="1500"/>
		Use gateway metric	<input type="text" value="0"/>

## DHCP Server

General Setup	Advanced Settings	IPv6 Settings
		Ignore interface
		<input type="checkbox"/>
		Disable <a href="#">DHCP</a> for this interface.
		Start
		<input type="text" value="100"/>
		Lowest leased address as offset from the network address.
		Limit
		<input type="text" value="150"/>
		Maximum number of leased addresses.
		Lease time
		<input type="text" value="12h"/>
		Expiry time of leased addresses, minimum is 2 minutes (2m).

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# Interfaces - LAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation `INTERFACE.VLANNR` (e.g.: `eth0.1`).

## Common Configuration

General Setup	Advanced Settings	Physical Settings	Firewall Settings
		Bridge interfaces <input checked="" type="checkbox"/> creates a bridge over specified interface(s)	
		Enable <a href="#">STP</a> <input type="checkbox"/> Enables the Spanning Tree Protocol on this bridge	
		Enable <a href="#">IGMP</a> snooping <input type="checkbox"/> Enables IGMP snooping on this bridge	
		Interface <input type="text" value="eth0.1"/>	

## DHCP Server

General Setup	Advanced Settings	IPv6 Settings
		Ignore interface <input type="checkbox"/> Disable <a href="#">DHCP</a> for this interface.
		Start <input type="text" value="100"/> Lowest leased address as offset from the network address.
		Limit <input type="text" value="150"/> Maximum number of leased addresses.
		Lease time <input type="text" value="12h"/> Expiry time of leased addresses, minimum is 2 minutes ( <a href="#">2m</a> ).

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WAN WWAN WAN6 LAN

# Interfaces - LAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation INTERFACE.VLANNNR (e.g.: eth0.1).

## Common Configuration

General Setup   Advanced Settings   Physical Settings   **Firewall Settings**

Create / Assign firewall-zone

lan:

Choose the firewall zone you want to assign to this interface. Select unspecified to remove the interface from the associated zone or fill out the create field to define a new zone and attach the interface to it.

## DHCP Server

General Setup   **Advanced Settings**   IPv6 Settings

Ignore interface

Disable [DHCP](#) for this interface.

Start

Lowest leased address as offset from the network address.

Limit

Maximum number of leased addresses.

Lease time

Expiry time of leased addresses, minimum is 2 minutes (2m).

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# Switch

The network ports on this device can be combined to several [VLANs](#) in which computers can communicate directly with each other. [VLANs](#) are often used to separate different network segments. Often there is by default one Uplink port for a connection to the next greater network like the internet and other ports for a local network.

## Switch "switch0" (AR7240/AR9330 built-in switch)

- Enable VLAN functionality
- Enable mirroring of incoming packets
- Enable mirroring of outgoing packets

## VLANs on "switch0" (AR7240/AR9330 built-in switch)

VLAN ID	CPU (eth0)	LAN 1	LAN 2	WAN	
Port status:					
	1000baseT full-duplex	100baseT full-duplex	no link	no link	
1	tagged	untagged	untagged	off	DELETE
2	tagged	off	off	untagged	DELETE

ADD

SAVE & APPLY    SAVE    RESET

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# DHCP and DNS

Dnsmasq is a combined [DHCP](#)-Server and [DNS](#)-Forwarder for [NAT](#) firewalls

## Server Settings

General Settings	Resolv and Hosts Files	TFTP Settings	Advanced Settings
<b>Domain required</b>	<input checked="" type="checkbox"/>	Don't forward <a href="#">DNS</a> -Requests without <a href="#">DNS</a> -Name	
<b>Authoritative</b>	<input checked="" type="checkbox"/>	This is the only <a href="#">DHCP</a> in the local network	
<b>Local server</b>	/lan/		
	Local domain specification. Names matching this domain are never forwarded and are resolved from DHCP or hosts files only		
<b>Local domain</b>	lan		
	Local domain suffix appended to DHCP names and hosts file entries		
<b>Log queries</b>	<input type="checkbox"/>	Write received DNS requests to syslog	
<b>DNS forwardings</b>	/example.org/10.1.2.3		<input type="button" value="+"/>
	List of <a href="#">DNS</a> servers to forward requests to		
<b>Rebind protection</b>	<input checked="" type="checkbox"/>	Discard upstream RFC1918 responses	
<b>Allow localhost</b>	<input checked="" type="checkbox"/>	Allow upstream responses in the 127.0.0.0/8 range, e.g. for RBL services	
<b>Domain whitelist</b>	ihost.netflix.com		<input type="button" value="+"/>
	List of domains to allow RFC1918 responses for		
<b>Local Service Only</b>	<input checked="" type="checkbox"/>	Limit DNS service to subnets interfaces on which we are serving DNS.	
<b>Non-wildcard</b>	<input checked="" type="checkbox"/>	Bind only to specific interfaces rather than wildcard address.	
<b>Listen Interfaces</b>			<input type="button" value="+"/>
	Limit listening to these interfaces, and loopback.		
<b>Exclude interfaces</b>			<input type="button" value="+"/>
	Prevent listening on these interfaces.		

## Active DHCP Leases

Hostname	IPv4-Address	MAC-Address	Leasetime remaining
There are no active leases.			

## Active DHCPv6 Leases

Host	IPv6-Address	DUID	Leasetime remaining
There are no active leases.			

## Static Leases

Static leases are used to assign fixed IP addresses and symbolic hostnames to DHCP clients. They are also required for non-dynamic interface configurations where only hosts with a corresponding lease are served. Use the Add Button to add a new lease entry. The MAC-Address identifies the host, the IPv4-Address specifies the fixed address to use, and the Hostname is assigned as a symbolic name to the requesting host. The optional Lease time can be used to set non-standard host-specific lease time, e.g. 12h, 3d or infinite.

Hostname	MAC-Address	IPv4-Address	Lease time	DUID	IPv6-Suffix (hex)
This section contains no values yet					

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# DHCP and DNS

Dnsmasq is a combined [DHCP](#)-Server and [DNS](#)-Forwarder for [NAT](#) firewalls

## Server Settings

General Settings	Resolv and Hosts Files	TFTP Settings	Advanced Settings
	Use <a href="#">/etc/ethers</a>	<input checked="" type="checkbox"/>	Read <a href="#">/etc/ethers</a> to configure the <a href="#">DHCP</a> -Server
	Leasefile	<input type="text" value="/tmp/dhcp.leases"/>	file where given <a href="#">DHCP</a> -leases will be stored
	Ignore resolve file	<input type="checkbox"/>	
	Resolve file	<input type="text" value="/tmp/resolv.conf.auto"/>	local <a href="#">DNS</a> file
	Ignore <a href="#">/etc/hosts</a>	<input type="checkbox"/>	
	Additional Hosts files	<input type="text"/>	<input type="button" value="+"/>

## Active DHCP Leases

Hostname	IPv4-Address	MAC-Address	Leasetime remaining
There are no active leases.			

## Active DHCPv6 Leases

Host	IPv6-Address	DUID	Leasetime remaining
There are no active leases.			

## Static Leases

Static leases are used to assign fixed IP addresses and symbolic hostnames to DHCP clients. They are also required for non-dynamic interface configurations where only hosts with a corresponding lease are served. Use the Add Button to add a new lease entry. The MAC-Address identifies the host, the IPv4-Address specifies the fixed address to use, and the Hostname is assigned as a symbolic name to the requesting host. The optional Lease time can be used to set non-standard host-specific lease time, e.g. 12h, 3d or infinite.

Hostname	MAC-Address	IPv4-Address	Lease time	DUID	IPv6-Suffix (hex)
This section contains no values yet					



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# DHCP and DNS

Dnsmasq is a combined [DHCP](#)-Server and [DNS](#)-Forwarder for [NAT](#) firewalls

## Server Settings

General Settings    Resolv and Hosts Files    **TFTP Settings**    Advanced Settings

Enable TFTP server

## Active DHCP Leases

Hostname	IPv4-Address	MAC-Address	Leasetime remaining
There are no active leases.			

## Active DHCPv6 Leases

Host	IPv6-Address	DUID	Leasetime remaining
There are no active leases.			

## Static Leases

Static leases are used to assign fixed IP addresses and symbolic hostnames to DHCP clients. They are also required for non-dynamic interface configurations where only hosts with a corresponding lease are served. Use the Add Button to add a new lease entry. The MAC-Address identifies the host, the IPv4-Address specifies the fixed address to use, and the Hostname is assigned as a symbolic name to the requesting host. The optional Lease time can be used to set non-standard host-specific lease time, e.g. 12h, 3d or infinite.

Hostname	MAC-Address	IPv4-Address	Lease time	DUID	IPv6-Suffix (hex)
This section contains no values yet					

ADD

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# DHCP and DNS

Dnsmasq is a combined [DHCP](#)-Server and [DNS](#)-Forwarder for [NAT](#) firewalls

## Server Settings

General Settings	Resolv and Hosts Files	TFTP Settings	Advanced Settings
<b>Suppress logging</b>	<input type="checkbox"/> Suppress logging of the routine operation of these protocols		
<b>Allocate IP sequentially</b>	<input type="checkbox"/> Allocate IP addresses sequentially, starting from the lowest available address		
<b>Filter private</b>	<input checked="" type="checkbox"/> Do not forward reverse lookups for local networks		
<b>Filter useless</b>	<input type="checkbox"/> Do not forward requests that cannot be answered by public name servers		
<b>Localise queries</b>	<input checked="" type="checkbox"/> Localise hostname depending on the requesting subnet if multiple IPs are available		
<b>Expand hosts</b>	<input checked="" type="checkbox"/> Add local domain suffix to names served from hosts files		
<b>No negative cache</b>	<input type="checkbox"/> Do not cache negative replies, e.g. for not existing domains		
<b>Additional servers file</b>	<input type="text"/> This file may contain lines like 'server=/domain/1.2.3.4' or 'server=1.2.3.4' for domain-specific or full upstream <a href="#">DNS</a> servers.		
<b>Strict order</b>	<input type="checkbox"/> <a href="#">DNS</a> servers will be queried in the order of the resolvfile		
<b>All Servers</b>	<input type="checkbox"/> Query all available upstream <a href="#">DNS</a> servers		
<b>Bogus NX Domain Override</b>	<input type="text" value="67.215.65.132"/> <input type="button" value="+"/> List of hosts that supply bogus NX domain results		
<b><a href="#">DNS</a> server port</b>	<input type="text" value="53"/> Listening port for inbound DNS queries		
<b><a href="#">DNS</a> query port</b>	<input type="text" value="any"/> Fixed source port for outbound DNS queries		
<b><a href="#">Max. DHCP</a> leases</b>	<input type="text" value="unlimited"/> Maximum allowed number of active DHCP leases		
<b><a href="#">Max. EDNS0</a> packet size</b>	<input type="text" value="1280"/> Maximum allowed size of EDNS.0 UDP packets		
<b><a href="#">Max. concurrent queries</a></b>	<input type="text" value="150"/> Maximum allowed number of concurrent DNS queries		
<b>Size of DNS query cache</b>	<input type="text" value="150"/> Number of cached DNS entries (max is 10000, 0 is no caching)		

## Active DHCP Leases

Hostname	IPv4-Address	MAC-Address	Leasetime remaining
There are no active leases.			

## Active DHCPv6 Leases

Host	IPv6-Address	DUID	Leasetime remaining
There are no active leases.			

## Static Leases

Static leases are used to assign fixed IP addresses and symbolic hostnames to DHCP clients. They are also required for non-dynamic interface configurations where only hosts with a corresponding lease are served. Use the Add Button to add a new lease entry. The MAC-Address identifies the host, the IPv4-Address specifies the fixed address to use, and the Hostname is assigned as a symbolic name to the requesting host. The optional Lease time can be used to set non-standard host-specific lease time, e.g. 12h, 3d or infinite.

Hostname	<a href="#">MAC-Address</a>	<a href="#">IPv4-Address</a>	Lease time	<a href="#">DUID</a>	<a href="#">IPv6-Suffix (hex)</a>
This section contains no values yet					

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# Hostnames

## Host entries

Hostname	IP address
This section contains no values yet	

ADD

SAVE & APPLY SAVE RESET

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# Routes

Routes specify over which interface and gateway a certain host or network can be reached.

## Static IPv4 Routes

<a href="#">Interface</a>	Target Host- <a href="#">IP</a> or Network	<a href="#">IPv4-Netmask</a> if target is a network	<a href="#">IPv4-Gateway</a>	Metric	MTU	Route type
This section contains no values yet						
<a href="#">ADD</a>						

## Static IPv6 Routes

<a href="#">Interface</a>	Target <a href="#">IPv6-Address</a> or Network (CIDR)	<a href="#">IPv6-Gateway</a>	Metric	MTU	Route type
This section contains no values yet					
<a href="#">ADD</a>					

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# Firewall - Zone Settings

The firewall creates zones over your network interfaces to control network traffic flow.

## General Settings

Enable SYN-flood protection

Drop invalid packets

Input

Output

Forward

## Zones

Name	Zone ⇒ Forwardings	Input	Output	Forward	Masquerading	MSS clamping	
lan	<span>lan</span> ⇒ <span>wan</span>	<input type="text" value="accept"/>	<input type="text" value="accept"/>	<input type="text" value="accept"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="button" value="EDIT"/> <input type="button" value="DELETE"/>
wan	<span>wan</span> ⇒ <span>REJECT</span>	<input type="text" value="reject"/>	<input type="text" value="accept"/>	<input type="text" value="reject"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="button" value="EDIT"/> <input type="button" value="DELETE"/>

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# Firewall - Port Forwards

Port forwarding allows remote computers on the Internet to connect to a specific computer or service within the private LAN.

## Port Forwards

Name	Match	Forward to	Enable
This section contains no values yet			

## New port forward

Name	Protocol	External zone	External port	Internal zone	Internal IP address	Internal port	
<input type="text" value="New port forward"/>	<input type="text" value="TCP+UDP"/>	<input type="text" value="wan"/>	<input type="text"/>	<input type="text" value="lan"/>	<input type="text"/>	<input type="text"/>	<input type="button" value="ADD"/>

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## Firewall - Custom Rules

Custom rules allow you to execute arbitrary iptables commands which are not otherwise covered by the firewall framework. The commands are executed after each firewall restart, right after the default ruleset has been loaded.

```
# This file is interpreted as shell script.
# Put your custom iptables rules here, they will
# be executed with each firewall (re-)start.

# Internal uci firewall chains are flushed and recreated on reload, so
# put custom rules into the root chains e.g. INPUT or FORWARD or into the
# special user chains, e.g. input_wan_rule or postrouting_lan_rule.
```

1

[RESTART FIREWALL](#)[RESET](#)



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# Diagnostics

## Network Utilities

openwrt.org	openwrt.org	openwrt.org
<input type="button" value="IPv4"/> <input type="button" value="PING"/>	<input type="button" value="IPv4"/> <input type="button" value="TRACEROUTE"/>	<input type="button" value="NSLOOKUP"/>

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# Software

Actions   Configuration

Displaying only packages containing "**openvpn**" RESET

Free space: **96% (10.89 MB)**

Download and install package: OK

Filter:  FIND PACKAGE

## Status

Available packages (openvpn)	Installed packages (openvpn)		
Package name	Version	Size (.ipk)	Description
collectd-mod-openvpn	5.8.1-1	5350	OpenVPN traffic/compression input plugin <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
kernel-wireguard	4.9.120+0.0.20180718-2	72666	WireGuard is a novel VPN that runs inside the Linux Kernel and utilizes state-of-the-art cryptography. It aims to be faster, simpler, leaner, and more useful than IPSec, while avoiding the massive headache. It intends to be considerably more performant than OpenVPN. WireGuard is designed as a general purpose VPN for running on embedded interfaces and super computers alike, fit for many different circumstances. It uses UDP. This package provides the kernel module for WireGuard. <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-app-openvpn	git-20.356.64372-1259bb1-1	9220	LuCI Support for OpenVPN <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-ca	git-20.356.64372-1259bb1-1	5947	Translation for luci-app-openvpn - Català (Catalan) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-cs	git-20.356.64372-1259bb1-1	6582	Translation for luci-app-openvpn - Čeština (Czech) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-de	git-20.356.64372-1259bb1-1	6307	Translation for luci-app-openvpn - Deutsch (German) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-el	git-20.356.64372-1259bb1-1	2453	Translation for luci-app-openvpn - Ελληνικά (Greek) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-en	git-20.356.64372-1259bb1-1	1080	Translation for luci-app-openvpn - English <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-es	git-20.356.64372-1259bb1-1	6232	Translation for luci-app-openvpn - Español (Spanish) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-fr	git-20.356.64372-1259bb1-1	6601	Translation for luci-app-openvpn - Français (French) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-he	git-20.356.64372-1259bb1-1	1142	Translation for luci-app-openvpn - עברית (Hebrew) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-hu	git-20.356.64372-1259bb1-1	6612	Translation for luci-app-openvpn - Magyar (Hungarian) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-it	git-20.356.64372-1259bb1-1	3479	Translation for luci-app-openvpn - Italiano (Italian) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-ja	git-20.356.64372-1259bb1-1	2589	Translation for luci-app-openvpn - 日本語 (Japanese) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-ms	git-20.356.64372-1259bb1-1	1106	Translation for luci-app-openvpn - Bahasa Melayu (Malay) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-no	git-20.356.64372-1259bb1-1	1096	Translation for luci-app-openvpn - Norsk (Norwegian) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-pl	git-20.356.64372-1259bb1-1	6527	Translation for luci-app-openvpn - Polski (Polish) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-pt	git-20.356.64372-1259bb1-1	6374	Translation for luci-app-openvpn - Português (Portuguese) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-pt-br	git-20.356.64372-1259bb1-1	6400	Translation for luci-app-openvpn - Português do Brasil (Brazilian Portuguese) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-ro	git-20.356.64372-1259bb1-1	1233	Translation for luci-app-openvpn - Română (Romanian) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-ru	git-20.356.64372-1259bb1-1	8597	Translation for luci-app-openvpn - Русский (Russian) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-sk	git-20.356.64372-1259bb1-1	1244	Translation for luci-app-openvpn - Slovenčina (Slovak) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-sv	git-20.356.64372-1259bb1-1	1393	Translation for luci-app-openvpn - Svenska (Swedish) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-tr	git-20.356.64372-1259bb1-1	1314	Translation for luci-app-openvpn - Türkçe (Turkish) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-uk	git-20.356.64372-1259bb1-1	3374	Translation for luci-app-openvpn - Українська (Ukrainian) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-vi	git-20.356.64372-1259bb1-1	5784	Translation for luci-app-openvpn - Tiếng Việt (Vietnamese) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-zh-cn	git-20.356.64372-1259bb1-1	6132	Translation for luci-app-openvpn - 中文 (Chinese) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
luci-i18n-openvpn-zh-tw	git-20.356.64372-1259bb1-1	6207	Translation for luci-app-openvpn - 臺灣華語 (Taiwanese) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
openvpn-easy-rsa	3.0.4-1	18063	CLI utility to build and manage a PKI CA. <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
openvpn-mbedtls	2.4.5-4.2	153935	Open source VPN solution using mbedtls <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
openvpn-noss1	2.4.5-4.2	76631	Open source VPN solution using plaintext (no SSL) <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
openvpn-opens1	2.4.5-4.2	157194	Open source VPN solution using OpenSSL <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
softethervpn	4.29-9680-2	3665992	SoftEther VPN ("SoftEther" means "Software Ethernet") is one of the world's most powerful and easy-to-use multi-protocol VPN software developed as an academic project from University of Tsukuba, Japan. SoftEther VPN has strong compatibility to today's most popular VPN products among the world. It has the interoperability with OpenVPN, L2TP, IPsec, EtherIP, L2TPv3, Cisco VPN Routers and MS-SSTP VPN Clients. SoftEther VPN is the world's only VPN software which supports SSL-VPN, OpenVPN, L2TP, EtherIP, L2TPv3 and IPsec as a single VPN software. SoftEther VPN is not only an alternative VPN server to existing VPN products (OpenVPN, IPsec and MS-SSTP), but has also original strong SSL-VPN protocol to penetrate any kinds of firewalls. Ultra-optimized SSL-VPN Protocol of SoftEther VPN has very fast throughput, low latency and firewall resistance. <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
tayga	0.9.2-2	17337	TAYGA is an out-of-kernel stateless NAT64 implementation for Linux. It uses the TUN driver to exchange packets with the kernel, which is the same driver used by OpenVPN and QEMU/KVM. <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>
wireguard	1.0.20200611-1	1122	WireGuard is a novel VPN that runs inside the Linux Kernel and utilizes state-of-the-art cryptography. It aims to be faster, simpler, leaner, and more useful than IPSec, while avoiding the massive headache. It intends to be considerably more performant than OpenVPN. WireGuard is designed as a general purpose VPN for running on embedded interfaces and super computers alike, fit for many different circumstances. It uses UDP. <span style="float: right; border: 1px solid #ccc; padding: 2px 5px;">INSTALL</span>

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# Software

Actions Configuration

Displaying only packages containing "openvpn-openssl" RESET

Free space: **96% (10.89 MB)**

Download and install package: \_\_\_\_\_ OK

Filter: openvpn-openssl FIND PACKAGE

## Status

Available packages (openvpn-openssl) Installed packages (openvpn-openssl)

Package name	Version	Size (.ipk)	Description	
openvpn-openssl	2.4.5-4.2	157194	Open source VPN solution using OpenSSL	<span>INSTALL</span>



- Status
- System
- System
- Administration
- Software**
- Startup
- Scheduled Tasks
- Backup / Flash Firmware
- Reboot
- Network
- Logout

## Software

Actions
Configuration

```
Installing openvpn-openssl (2.4.5-4.2) to root...
Downloading https://downloads.openwrt.org/releases/18.06.1/packages/mips_24kc/base/openvpn-openssl_2.4.5-4.2_mips_24kc.ipk

Collected errors:
 * satisfy_dependencies_for: Cannot satisfy the following dependencies for openvpn-openssl:
   + kernel (= 4.120-1 softmmu:aa12e290b5a2c73ca358a5) *
   + opkg_install_cmd: Cannot install package openvpn-openssl.
```

**Free space: 96% (10.89 MB)**

Download and install package:
OK

Filter:
FIND PACKAGE

## Status

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X	Y	Z	#
<b>Package name</b>	<b>Version</b>	<b>Size (ipk)</b>	<b>Description</b>																					<b>INSTALL</b>		
acl	20180121-1	17210	Access control list support This package provides ACL manipulation utilities - chacl - getfacl - setfacl																					INSTALL		
acme	2.8.3-1	46890	A client for issuing Letsencrypt certificates.																					INSTALL		
acme-dnsapi	2.8.3-1	82345	This package provides DNS API integration for ACME (Letsencrypt) client.																					INSTALL		
adb	android.5.0.2_r1-1	49526	Android Debug Bridge (adb) is a versatile command line tool that lets you communicate with an emulator instance or connected Android-powered device.																					INSTALL		
adb-enablemodem	2017-03-05-1	1526	Enable modem via adb																					INSTALL		
adblock	3.5.5-4	11841	Powerful adblock script to block ad/abuse domains via dnsmasq, unbound, named, kresd or dnscrypt-proxy. The script supports many domain blacklist sites plus manual black- and whitelist overrides. Please see https://github.com/openwrt/packages/blob/master/net/adblock/files/README.md for further information.																					INSTALL		
addrwatch	0.8-3	20551	This is a tool similar to arpwatc. It main purpose is to monitor network and log discovered ethernet/ip pairings. Addrwatch is extremely useful in networks with IPv6 autoconfiguration (RFC4862) enabled. It allows to track IPv6 addresses of hosts using IPv6 privacy extensions (RFC4941).																					INSTALL		
agetty	2.32-2	19774	agetty opens a tty port, prompts for a login name and invokes the /bin/login command																					INSTALL		
aggregate	1.6-1	4597	takes a list of prefixes in conventional format on stdin, and performs two optimisations to reduce the length of the prefix list. It removes any supplied prefixes which are superfluous because they are already included in another supplied prefix (e.g., 203.97.2.0/24 would be removed if 203.97.0.0/17 was also supplied), and identifies adjacent prefixes that can be combined under a single, shorter-length prefix (e.g., 203.97.2.0/24 and 203.97.3.0/24 can be combined into the single prefix 203.97.2.0/23).																					INSTALL		
aircard-pcmcia-firmware	2017-09-06-a61ac5cf-1	1158	Sierra Wireless Aircard 555/7xx/8x0 firmware																					INSTALL		
aircrack-ng	1.2-rc1-2	397784	WLAN tools for breaking 802.11 WEP/WPA keys																					INSTALL		
airmon-ng	1.2-rc1-2	7403	Bash script designed to turn wireless cards into monitor mode.																					INSTALL		
alpine	2.20-2	1503654	Alpine (Alternatively Licensed Program for Internet News and Email) is a free software email client developed at the University of Washington. It is suitable for both the inexperienced email user as well as for the most demanding power user. This package is built with OpenSSL support.																					INSTALL		
alpine-nossl	2.20-2	1475157	Alpine (Alternatively Licensed Program for Internet News and Email) is a free software email client developed at the University of Washington. It is suitable for both the inexperienced email user as well as for the most demanding power user. This package is built without OpenSSL support.																					INSTALL		
alsa-lib	1.1.6-1	311079	This is the library package for alsa, needed by some userspace programs. You must have enabled the ALSA support in the kernel.																					INSTALL		
alsa-utils	1.1.6-2	112215	ALSA (Advanced Linux Sound Architecture) utilities																					INSTALL		
alsa-utils-seq	1.1.6-2	57667	ALSA sequencer utilities																					INSTALL		
alsa-utils-tests	1.1.6-2	895758	ALSA utilities test data (adds ~1.3M to image)																					INSTALL		
announce	1.0.1-1	8432	Announce services on the network with Zeroconf/Bonjour. This announces services such as ssh, sftp, and http running on the local machine to the network.																					INSTALL		
ap51-flash	2017-12-07-1	13826	A tool for flashing (nearly) all ap51/ap61 based routers																					INSTALL		
apache	2.4.28-2	750995	The Apache Web Server is a powerful and flexible HTTP/1.1 compliant web server. Originally designed as a replacement for the NCSA HTTP Server, it has grown to be the most popular web server on the Internet. . This package contains the Apache web server and utility programs. . Take care that you don't include apache at the moment into your image please select it only as module because busybox will override /usr/sbin/httpd. It'll be solved soon. If you need to include this package in the image anyway, remove /usr/sbin/httpd from busybox (Base system -> Configuration -> Networking Utilities -> Networking Utilities). Also you should take care for the initscripts, apachectl compatibility with the one from busybox, so if you want to use apache for running your webil, you'll need to change the parameters in the scripts and configure the rest in /etc/httpd.conf.																					INSTALL		
apache-icons	2.4.28-2	140832	The Apache Web Server is a powerful and flexible HTTP/1.1 compliant web server. Originally designed as a replacement for the NCSA HTTP Server, it has grown to be the most popular web server on the Internet. . This package contains the icons from Apache.																					INSTALL		
apcupsd	3.14.14-2	214257	UPS control software																					INSTALL		
apcupsd-cgi	3.14.14-2	26131	UPS control software CGI module																					INSTALL		
apinger	2015-04-09-78eb3287-1	25732	Alarm Pinger (apinger) is a little tool which monitors various IP devices by simple ICMP echo requests. There are various other tools, that can do this, but most of them are shell or perl scripts, spawning many processes, thus much CPU-expensive, especially when one wants continuous monitoring and fast response on target failure. Alarm Pinger is a single program written in C, so it doesn't need much CPU power even when monitoring many targets with frequent probes. Alarm Pinger supports both IPv4 and IPv6. The code have been tested on Linux and FreeBSD.																					INSTALL		
ar	2.27-1	26175	ar																					INSTALL		
ar3k-firmware	2017-09-06-a61ac5cf-1	229156	ath3k firmware																					INSTALL		
aria2	1.33.0-1	902587	aria2 is a lightweight multi-protocol & multi-source command-line download utility																					INSTALL		
ariang	2018-02-21-f71a67cb-1	969210	AriaNg is a web frontend making aria2 easier to use. AriaNg is written in pure html & javascript, thus it does not need any compilers or runtime environment.																					INSTALL		
arp-scan	1.9-40-g69b2f70-1	22122	ARP scanner																					INSTALL		
arptables	2015-05-20-f4ab8f63-1	19427	ARP firewalling software																					INSTALL		
at	3.1.20-1	23192	At and batch read shell commands from standard input storing them as a job to be scheduled for execution in the future.																					INSTALL		
atftp	0.7.1-5	23108	TFTP client																					INSTALL		
atftpd	0.7.1-5	27087	TFTP server																					INSTALL		
ath10k-firmware-qca4019	2018-05-12-952afa49-1	468744	ath10k firmware for IPQ/QCA4019 devices																					INSTALL		
ath10k-firmware-qca4019-ct	2018-05-12-952afa49-1	435916	Alternative ath10k firmware for IPQ4019 radio from Candela Technologies. Enables IBSS and other features. Works with standard or ath10k-ct driver. See: http://www.candelatech.com/ath10k-10.4.php																					INSTALL		
ath10k-firmware-qca4019-ct-htt	2018-05-12-952afa49-1	435691	Alternative ath10k firmware for IPQ4019 radio from Candela Technologies. Uses normal HTT TX data path for management frames, which improves stability in busy networks and may be required for .11r authentication. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.4.php This firmware selects and requires the ath10k-ct driver.																					INSTALL		
ath10k-firmware-qca6174	2018-05-12-952afa49-1	866916	ath10k firmware for QCA6174 devices																					INSTALL		
ath10k-firmware-qca9887	2018-05-12-952afa49-1	207890	ath10k firmware for QCA9887 devices																					INSTALL		
ath10k-firmware-qca9887-ct	2018-05-12-952afa49-1	192462	Alternative ath10k firmware for QCA9887 from Candela Technologies. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.1.php This firmware conflicts with the standard 9887 firmware, so select only one.																					INSTALL		
ath10k-firmware-qca9887-ct-htt	2018-05-12-952afa49-1	192336	Alternative ath10k firmware for QCA9887 from Candela Technologies. Uses normal HTT TX data path for management frames, which improves stability in busy networks and fixes .11r authentication. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.1.php This firmware selects and requires the ath10k-ct driver.																					INSTALL		
ath10k-firmware-qca9888	2018-05-12-952afa49-1	504887	ath10k firmware for QCA9888 devices																					INSTALL		
ath10k-firmware-qca9888-ct	2018-05-12-952afa49-1	455746	Alternative ath10k firmware for QCA9886 and QCA9888 from Candela Technologies. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.4.php This firmware conflicts with the standard 9886 and 9888 firmware, so select only one.																					INSTALL		
ath10k-firmware-qca9888-ct-htt	2018-05-12-952afa49-1	455561	Alternative ath10k firmware for QCA9886 and QCA9888 from Candela Technologies. Uses normal HTT TX data path for management frames, which improves stability in busy networks and may be required for .11r authentication. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.4.php This firmware selects and requires the ath10k-ct driver.																					INSTALL		
ath10k-firmware-qca988x	2018-05-12-952afa49-1	219136	ath10k firmware for QCA988x devices																					INSTALL		
ath10k-firmware-qca988x-ct	2018-05-12-952afa49-1	186342	Alternative ath10k firmware for QCA988X from Candela Technologies. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.1.php This firmware will NOT be used unless the standard ath10k-firmware-qca988x is un-selected since the driver will try to load firmware-5.bin before firmware-2.bin																					INSTALL		
ath10k-firmware-qca988x-ct-htt	2018-05-12-952afa49-1	186168	Alternative ath10k firmware for QCA988X from Candela Technologies. Uses normal HTT TX data path for management frames, which improves stability in busy networks and fixes .11r authentication. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.1.php This firmware selects and requires the ath10k-ct driver.																					INSTALL		
ath10k-firmware-qca9984	2018-05-12-952afa49-1	499650	ath10k firmware for QCA9984 devices																					INSTALL		
ath10k-firmware-qca9984-ct	2018-05-12-952afa49-1	459121	Alternative ath10k firmware for QCA9984 from Candela Technologies. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.4.php This firmware conflicts with the standard 9984 firmware, so select only one.																					INSTALL		
ath10k-firmware-qca9984-ct-htt	2018-05-12-952afa49-1	458490	Alternative ath10k firmware for QCA9984 from Candela Technologies. Uses normal HTT TX data path for management frames, which improves stability in busy networks and may be required for .11r authentication. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.4.php This firmware selects and requires the ath10k-ct driver.																					INSTALL		
ath10k-firmware-qca99x0	2018-05-12-952afa49-1	375092	Standard ath10k firmware for QCA99x0 from QCA This firmware conflicts with the CT 99x0 firmware, so select only one.																					INSTALL		
ath10k-firmware-qca99x0-ct	2018-05-12-952afa49-1	429649	Alternative ath10k firmware for QCA99x0 from Candela Technologies. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.4.php This firmware conflicts with the standard 99x0 firmware, so select only one.																					INSTALL		
ath10k-firmware-qca99x0-ct-htt	2018-05-12-952afa49-1	429473	Alternative ath10k firmware for QCA99x0 from Candela Technologies. Uses normal HTT TX data path for management frames, which improves stability in busy networks and may be required for .11r authentication. Enables IBSS and other features. See: http://www.candelatech.com/ath10k-10.4.php This firmware selects and requires the ath10k-ct driver.																					INSTALL		
ath6k-firmware	2017-09-06-a61ac5cf-1	712808	AR600X firmware																					INSTALL		
ath9k-htc-firmware	2017-09-06-a61ac5cf-1	62274	AR9271/AR7010 firmware																					INSTALL		
atm-aread	2.5.2-5	2684	Linux ATM tool aread.																					INSTALL		
atm-atmaddr	2.5.2-5	3013	Linux ATM tool atmaddr.																					INSTALL		
atm-atmdiag	2.5.2-5	2605	Linux ATM tool atmdiag.																					INSTALL		
atm-atmdump	2.5.2-5	3393	Linux ATM tool atmdump.																					INSTALL		
atm-atmloop	2.5.2-5	2945	Linux ATM tool atmloop.																					INSTALL		
atm-atmsigd	2.5.2-5	67045	Linux ATM tool atmsigd.																					INSTALL		
atm-atmswitch	2.5.2-5	3166	Linux ATM tool atmswitch.																					INSTALL		
atm-atmtcp	2.5.2-5	7723	Linux ATM tool atmtcp.																					INSTALL		
atm-awrite	2.5.2-5	2555	Linux ATM tool awrite.																					INSTALL		
atm-bus	2.5.2-5	16939	Linux ATM tool bus.																					INSTALL		
atm-debug-tools	2.5.2-5	209572	This package contains the Linux ATM debugging tools.																					INSTALL		
atm-diagnostics	2.5.2-5	6341	This package contains the Linux ATM diagnostics.																					INSTALL		
atm-esi	2.5.2-5	2656	Linux ATM tool esi.																					INSTALL		
atm-ilmid	2.5.2-5	18775	Linux ATM tool ilmid.																					INSTALL		
atm-ilmidiag	2.5.2-5	2916	Linux ATM tool ilmidiag.																					INSTALL		
atm-lecs	2.5.2-5	9958	Linux ATM tool lecs.																					INSTALL		
atm-les	2.5.2-5	19781	Linux ATM tool les.																					INSTALL		
atm-mpcd	2.5.2-5	13030	Linux ATM tool mpcd.																					INSTALL		
atm-saaldump	2.5.2-5	24960	Linux ATM tool saaldump.																					INSTALL		
atm-sonetdiag	2.5.2-5	2985	Linux ATM tool sonetdiag.																					INSTALL		
atm-svc_recv	2.5.2-5	3070	Linux ATM tool svc_recv.																					INSTALL		
atm-svc_send	2.5.2-5	2828	Linux ATM tool svc_send.																					INSTALL		
atm-tools	2.5.2-5	15998	This package contains the Linux ATM tools.																					INSTALL		
atm-ttcp_atm	2.5.2-5	8445	Linux ATM tool ttcp_atm.																					INSTALL		
atm-zeppelin	2.5.2-5	18952	Linux ATM tool zeppelin.																					INSTALL		
attendedsysupgrade-daemon	0.1-2	1397	Common needed files for attendedsysupgrade tool Manages dependencies and brings settings used by clients. UCI options: attendedsysupgrade.server.url URL of compatible upgrade server [1] attendedsysupgrade.client.upgrade_packages Client should request image also if no new release but new packages upgrade are available. attendedsysupgrade.client.advanced_mode Offer advanced options like editing packages before request and show additional information. attendedsysupgrade.client.auto_search Tells the client to automatically search for upgrades. This can be done when opening luci or login in to console - depends on client. [1]: https://github.com/aparcar/gsoic17-attended-sysupgrade																					INSTALL		
attr	20170915-1	11892	Extended attributes support This package provides xattr manipulation utilities - attr - getfattr - setfattr																					INSTALL		
auc	0.0.9-2	9604	CLI client for attended-sysupgrade																					INSTALL		
autoconf	2.69-2	517168	Autoconf is an extensible package of M4 macros that produce shell scripts to automatically configure software source code packages.																					INSTALL		
automake	1.15-4	372185	Automake is a tool for automatically generating Makefile.in files compliant with the GNU Coding Standards.																					INSTALL		
autossh	1.4e-2	9815	Autossh client																					INSTALL		
avahi-autoipd	0.6.32-3	15599	Avahi is an mDNS/DNS-SD (aka RendezVous/Bonjour/ZeroConf) implementation (library). It facilitates service discovery on a local network -- this means that you can plug your laptop or computer into a network and instantly be able to view other people who you can chat with, find printers to print to or find files being shared. This kind of technology is already found in MacOS X (branded 'Rendezvous', 'Bonjour' and sometimes 'ZeroConf') and is very convenient. . This package implements IPv4LL, 'Dynamic Configuration of IP Link-Local Addresses' (IETF RFC 3927), a protocol for automatic IP address configuration from the link-local 169.254.0.0/16 range without the need for a central server. It is primarily intended to be used in ad-hoc networks which lack a DHCP server.																					INSTALL		
avahi-daemon-service-http	0.6.32-3	1451	Avahi is an mDNS/DNS-SD (aka RendezVous/Bonjour/ZeroConf) implementation (library). It facilitates service discovery on a local network -- this means that you can plug your laptop or computer into a network and instantly be able to view other people who you can chat with, find printers to print to or find files being shared. This kind of technology is already found in MacOS X (branded 'Rendezvous', 'Bonjour' and sometimes 'ZeroConf') and is very convenient. . This package contains the service definition for announcing HTTP service.																					INSTALL		
avahi-daemon-service-ssh	0.6.32-3	1419	Avahi is an mDNS/DNS-SD (aka RendezVous/Bonjour/ZeroConf) implementation (library). It facilitates service discovery on a local network -- this means that you can plug your laptop or computer into a network and instantly be able to view other people who you can chat with, find printers to print to or find files being shared. This kind of technology is already found in MacOS X (branded 'Rendezvous', 'Bonjour' and sometimes 'ZeroConf') and is very convenient. . This package contains the service definition for announcing SSH service.																					INSTALL		
avahi-dbus-daemon	0.6.32-3	34977	Avahi is an mDNS/DNS-SD (aka RendezVous/Bonjour/ZeroConf) implementation (library). It facilitates service discovery on a local network -- this means that you can plug your laptop or computer into a network and instantly be able to view other people who you can chat with, find printers to print to or find files being shared. This kind of technology is already found in MacOS X (branded 'Rendezvous', 'Bonjour' and sometimes 'ZeroConf') and is very convenient. . This package contains an mDNS/DNS-SD daemon.																					INSTALL		
avahi-dnscfnd	0.6.32-3	7890	Avahi is an mDNS/DNS-SD (aka RendezVous/Bonjour/ZeroConf) implementation (library). It facilitates service discovery on a local network -- this means that you can plug your laptop or computer into a network and instantly be able to view other people who you can chat with, find printers to print to or find files being shared. This kind of technology is already found in MacOS X (branded 'Rendezvous', 'Bonjour' and sometimes 'ZeroConf') and is very convenient. . This package contains a Unicast DNS server from mDNS/DNS-SD configuration daemon, which may be used to configure conventional DNS servers using mDNS in a DHCP-like fashion. Especially useful on IPv6.																					INSTALL		
avahi-nodbus-daemon	0.6.32-3	21447	Avahi is an mDNS/DNS-SD (aka RendezVous/Bonjour/ZeroConf) implementation (library). It facilitates service discovery on a local network -- this means that you can plug your laptop or computer into a network and instantly be able to view other people who you can chat with, find printers to print to or find files being shared. This kind of technology is already found in MacOS X (branded 'Rendezvous', 'Bonjour' and sometimes 'ZeroConf') and is very convenient. . This package contains an mDNS/DNS-SD daemon.																					INSTALL		
avahi-utils	0.6.32-3	16947	Avahi is an mDNS/DNS-SD (aka RendezVous/Bonjour/ZeroConf) implementation (library). It facilitates service discovery on a local network -- this means that you can plug your laptop or computer into a network and instantly be able to view other people who you can chat with, find printers to print to or find files being shared. This kind of technology is already found in MacOS X (branded 'Rendezvous', 'Bonjour' and sometimes 'ZeroConf') and is very convenient. . This package installs the following avahi utility programs: avahi-browse, avahi-publish, avahi-resolve, avahi-set-host-name. It also automatically adds the required libavahi-client package. For more information please see the avahi documentation.																					INSTALL		
avrduide	6.3-3	168863	AVRDUIDE is a full featured program for programming Atmel's AVR CPU's.																					INSTALL		
avro-c	1.8.2-1	56392	This package contains the Apache Avro C library.																					INSTALL		



Status

System

Network

Interfaces

Switch

DHCP and DNS

Hostnames

Static Routes

Firewall

Diagnostics


Logout

WAN WWAN WAN6 LAN

# Interfaces - LAN

On this page you can configure the network interfaces. You can bridge several interfaces by ticking the "bridge interfaces" field and enter the names of several network interfaces separated by spaces. You can also use [VLAN](#) notation INTERFACE.VLANNR (e.g.: eth0.1).

## Common Configuration

General Setup	Advanced Settings	Physical Settings	Firewall Settings
Status	 <b>Device:</b> br-lan <b>Uptime:</b> 2h 21m 42s <b>MAC:</b> 00:1F:7D:F1:1E:C7 <b>RX:</b> 4.34 MB (26582 Pkts.) <b>TX:</b> 9.26 MB (32377 Pkts.) <b>IPv4:</b> 192.168.0.105/24 <b>IPv6:</b> fde7:880f:f744::1/60		
Protocol	Static address		
IPv4 address	192.168.0.105		
IPv4 netmask	255.255.255.0		
IPv4 gateway	192.168.0.1		
IPv4 broadcast			
Use custom DNS servers	192.168.0.1 <span style="float:right">✕</span> 8.8.8.8 <span style="float:right">+</span>		
IPv6 assignment length	60		
	Assign a part of given length of every public IPv6-prefix to this interface		
IPv6 assignment hint	_____ Assign prefix parts using this hexadecimal subprefix ID for this interface.		
IPv6 suffix	::1		
	Optional. Allowed values: 'eui64', 'random', fixed value like '::1' or '::1:2'. When IPv6 prefix (like 'a:b:c:d::') is received from a delegating server, use the suffix (like '::1') to form the IPv6 address ('a:b:c:d::1') for the interface.		

## DHCP Server

General Setup	Advanced Settings	IPv6 Settings
Ignore interface	<input type="checkbox"/> Disable <a href="#">DHCP</a> for this interface.	
Start	100	
	Lowest leased address as offset from the network address.	
Limit	150	
	Maximum number of leased addresses.	
Lease time	12h	
	Expiry time of leased addresses, minimum is 2 minutes (2m).	

BACK TO OVERVIEW

SAVE & APPLY

SAVE

RESET