Release Notes

of Software Version 2.4.0

for products
006-130-117
006-130-118

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1. Document history

Version	Date	Author	Changes
1	2022-08-08	Andreas Kochner	Document created

2. Release Information

This documentation concerns a software release for the products

Part No	Description
006-130-117	ROQSTAR Managed 2GE+8FE Gigabit Ethernet Switch M12 IP54
006-130-118	ROQSTAR Managed 2GE+8FE Gigabit Ethernet Switch M12 PoE IP54

Software release information:

Attribute	Value
version	2.4.0
build date	08.08.2022
file name	006-130-117_118_update-2.4.0.raucb
file size	23918781 Byte
file MD5 checksum	2169bef26bd5575efd3d201275ba68ad

3. Change Log

3.1. New Features and Improvements

Topic	Description
OpenAPI	Added ROQSTAR OpenAPI v1
SNMP	Added powerEthernetMIB
SNMP	Added lldpMIB
USB	Improved functions to configure and update ROQSTAR via USB memory stick.
DHCP Client	When a new config is loaded the DHCP Client will always restart immediately.
DHCP	Using the internal DHCP Server at the same time as the DHCP Relay function (“Other Server”) is no longer supported.

3.2. Bug Fixes

Issue ID	Topic	Description
229	Configuration Apply	While reconfiguring the switch the network segmentation was not ensured. This is now done by disabling the physical ports until the system is ready.
226	DHCP Client	When loading a configuration with enabled DHCP client it was possible that the “backup” IP address of the interface was removed.
237	Boot time	In rare occasion the system boot took up to 90 seconds longer than normally.
238, 236		Removed memory leaks.
241	STP	In some cases RSTP did not block DHCP packets.
	Web interface	Multiple improvements and minor bugfixes.

3.3. Known Issues

Currently known errors or unexpected behavior of this software release:

Issue ID	Topic	Description
77	LLDP	The value of the field "Chassis ID Type" in the sent LLDP packets is "local" instead of “mac”.
84	SNMP Traps	The generated SNMP Traps contain the the agent address of 127.0.0.1.
104	SNMP	When "disabling" SNMPv3, the SNMPv3 protocol is not actually disabled. Instead only the configured SNMPv3 users are disabled. This means that the access via SNMPv3 is properly prevented, but the response a client sees is slightly different (i.e. "invalid user" instead of "protocol not supported").

Issue ID	Topic	Description
105	RSTP	If RSTP is changed from "disabled" to "enabled" during operation, the first STP packet (BPDU) sent at every port will not contain the configured Bridge Priority, but the number 32768. Every subsequent packet will contain the expected configured number. Packets sent at startup behave as expected.
122, 195	Web interface	If the internal time is updated via NTP after LLDP neighbours were detected, the displayed “age” of those neighbours is very old. The same will happen to DHCP leases.
151	IP Interfaces	Manually configuring an IP Address on an IP interface which has DHCP Client active on it, will temporarily overwrite the received dynamic IP address with the newly configured one.
193	Log	When a link is disabled and re-enabled, under some conditions the log may contain the “Link up” message twice.
212	DHCP Leases	When an active DHCP lease is migrated form one port to another by changing the configuration, the still active DHCP lease will be displayed on the wrong port in the web interface.
223	DHCP	When switching between “This Switch” and “Other Server” the Lease Settings are not updated completely. **Workaround:** After changing between “This Switch” and “Other Server” always press “Set DHCP Subnet Configuration”.
240	DHCP	When ROQSTAR is running both DHCP Server and DHCP Client on the same VLAN this can lead to configurations that cannot be applied on the device. **Workaround:** Don’t mix DHCP Server and Client on the same VLAN.
244	LED	If a USB memory stick is plugged in during boot the MOD LED does not show the USB operation.

3.4. Notes

Hints and considerations for proper usage specific to this software version:

Note ID	Topic	Description
-	web browsers	For best experience when using the device's web interface the following browsers are recommended: • Microsoft Edge, version 103 • Mozilla Firefox, version 103 A screen resolution of at least 1680*1050 is recommended.
-	software update, conversion of configuration files	Software versions 2.x.x bring more features and add additional options to existing features. Because of this the configuration file structure was changed compared to software versions 1.x.x. During the software update from a 1.x.x software the device converts the existing configuration to the new format. We suggest to do two things: 1. Before performing the update, download the existing configuration. In case you decide to downgrade later this could be helpful. 2. After performing the update, check if all settings were converted as desired.

4. Further Information

For further information regarding the contents of this document or our products in general please contact us at
https://www.tronteq.com
support@tronteq.com

5. Open Source Software Notice

This product contains in part open source software according to the following list. We are distributing such open source software under the terms of the corresponding open source licenses, which detail for example the permitted usage and distribution.
To obtain the corresponding open source codes covered by these licenses, please contact us at support@tronteq.com

software name	version	license
asio	1.18.2	Boost Software License - Version 1.0
attr	2.4.48	GPL-2.0-only, LGPL-2.0-only
avahi	0.7	LGPL-2.1-or-later
barebox_mlo	2018.11.0	GPL-2.0-only
barebox	2018.11.0	GPL-2.0-only
bridge-utils	1.6	GPL-2.0-or-later
busybox	1.29.3	GPL-2.0-only
c-ares	1.15.0	MIT
chrony	3.3	GPL-2.0-only
conntrack	1.4.6	GNU GPLv2
db	5.3.28	GNU AFFERO GPL Version 3
dbus	1.12.10	AFL-2.1, GPL-2.0-or-later
dhcp	4.4.2	ISC
dosfstools	4.1	GPL-3.0-or-later
dt-utils	2019.01.0	GPL-2.0-only
e2fsprogs	1.44.4	GPL-2.0-or-later, LGPL-2.0-or-later, BSD-3-Clause, MIT
ethtool	5.1	GPL-2.0-only
expat	2.2.8	MIT
fcgi	2.4.0	OML
gdbserver	8.3.1	GPL-2.0-only, GPL-3.0-or-later
glib	2.62.2	LGPL-2.0-or-later
htop	2.2.0	GPL-2.0-only
iproute2	5.1.0	GPL-2.0-only
iputils	s20180629	GPL-2.0-only
jansson	2.7	MIT
jq	1.6	MIT, CC-BY-3.0
json-c	0.13.1-20180305	MIT
json-glib	1.2.8	LGPL-2.1-only
kernel	4.14.170	GPL-2.0-only
libb64	0	public_domain
libbsd	0.8.2	BSD-4-Clause, BSD-3-Clause, BSD-2-Clause-NetBSD, ISC, MIT, Beerware, public_domain
libcap	2.25	BSD-3-Clause, GPL-2.0-only
libcurl	7.66.0	MIT

software name	version	license
libdaemon	0.14	LGPL-2.1-or-later
libestr	0.1.10	LGPL-2.1-or-later
libevent	2.1.8	BSD-3-Clause, 0BSD
libfastjson	0.99.8	MIT
libffi	3.2.1	MIT
libgmp	6.1.2	GPL-2.0-or-later, LGPL-3.0-or-later
libkmod	26	GPL-2.0-only, LGPL-2.0-only
libmnl	1.0.4	LGPL-2.1-or-later
libnetfilter_connt rack	1.0.8	GPL-2.0-only
libnfnetlink	1.0.1	GPL2
libnftnl	1.1.7	GPL-2.0-only, GPL-2.0-or-later
libnl	1.1	LGPL-2.1-only
libnl3	3.5.0	LGPL-2.1-only, BSD-3-Clause, GPL-2.0-only
libpcap	1.8.1	BSD-3-Clause
libpcre	8.43	BSD-3-Clause
libusb	1.0.22	LGPL-2.1-only
lighttpd	1.4.53	BSD-3-Clause, OML, RSA-MD
lldpd	1.0.1	ISC
microtar	0.1.0	MIT
mmc-utils	2018-03-27-gb4fe0c8c0e57	GPL-2.0-only, BSD-3-Clause
mstpd	0.08	GNU GPLv2
multipartparser	0.0	MIT
ncurses	6.1	MIT
net-snmp	5.8	MIT-CMU, BSD-3-Clause, MIT
nftables	0.9.6	GPL-2.0-only
openssh	8.0p1	BSD, BSD-2-Clause, BSD-3-Clause, MIT, Beerware, ISC
openssl	1.1.1m	OpenSSL
rauc	0.4	LGPL-2.1-only
readline	7.0	GPL-3.0-or-later
rsyslog	8.2012.0	GPL-3.0-or-later, LGPL-3.0-or-later, Apache-2.0
squashfs-tools	4.3	GPL-2.0-or-later
strace	4.25	BSD-3-Clause
systemd	243.4	GPL-2.0-or-later, LGPL-2.1-only
tcpdump	4.9.2	BSD-3-Clause
termcap	1.3.1	GPL-2.0-only
tz	2019c	public_domain
util-linux-ng	2.34	GPL-2.0-only, GPL-2.0-or-later, LGPL-2.0-or-later, BSD-3-Clause, BSD-4-Clause, public_domain

software name	version	license
zlib	1.2.12	Zlib