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COMMUNICATION.



TDT Release Notes – C-, M-, G-, L-Series

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TDT Release Notes

– C-, M-, G- and L-Series –

from X.9.0 to X.9.27

1 Imprint

Liability

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We wish you success and enjoyment

Your TDT-Team



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3 Introduction / Explanation

3.1 Scope

This document contains all changes and bug fixes of the software release as of **X.9.0**.

3.2 Release-Informationen

Release	Description
X.9.0 - X.9.6	Internal/OEM release
X.9.7	Public release
X.9.8	Internal release
X.9.9	Public release
X.9.10 - X.9.11	Internal release
X.9.12	Internal/OEM release
X.9.13	Public release
X.9.14	Public release
X.9.15	Public release
X.9.16	Internal/OEM release
X.9.17	Internal/OEM release
X.9.18	Public release
X.9.19	Internal release
X.9.20	Public/OEM release
X.9.21 - X.9.26	Internal release
X.9.27	Public release

3.3 Hardware and software identifier

The current hardware version, firmware version and module configuration of the router are specified in the following format:

Release-X.Y.Y-Z

The breakdown is as follows:

X = Hardware identifier

Hardwarekennung	Product name
15	C1500
1550	C1550
34	M3000 (including VRRP)
35	M3000 (including VRRP and Loadbalancer)
36	L3000 (Loadbalancer ohne VPN-Funktion)
64	G5000 (including VRRP)
65	G5000 (including VRRP and Loadbalancer)
66	L5000 (Loadbalancer whitout VPN-Functions)
74	G5000 (including VRRP)
75	G5000 (including VRRP and Loadbalancer)
76	L5000 (Loadbalancer whitout VPN-Functions)

Y = Firmware version

Z = Module configuration

	r	-	d	i	w	hd	hi	hw	hdi	hdw	ld	li	lw	ldi	ldw
2G/3G+	✓					✓	✓	✓	✓	✓					
LTE (4G)		✓									✓	✓	✓	✓	✓
DSL			✓			✓			✓	✓	✓			✓	✓
ISDN				✓			✓		✓			✓		✓	
WLAN					✓			✓		✓			✓		✓

4 Changes

ADSL

Optimization

Since	Description
X.9.9	Optimized ATM daemon regarding firmware update. Internal ATM daemon optimizations.

Added/Removed/Changed

Since	Description
X.9.9	Shell-command <adslinfo> integrated to output current adsl status and statistics. Added firmware support for VLAN-7 tagging as mentioned in specification 1TR112. Note: After upgrading to a release X.9.9 or higher, the adsl firmware is being upgraded after first boot. Please be patient, this process may take up to 10 minutes. During this process, the ADSL connection can not be established.

Commandline Interface (TDT-CLI)

Bugfix

Since	Description
X.9.10	Fixed a bug causing issues starting the CLI.
X.9.17	Dhclient function is now handled correctly by the CLI. Fixed a bug related to hosts file handling.

Added/Removed/Changed

Since	Description
X.9.9	Removed IPSec handling due to incompatibility with strongswan.
X.9.14	Added support for new WWAN band settings
X.9.15	Readded support for IPSec with openswan
X.9.17	Added support for virtual ethernet interfaces, e.g. "eth0:1".

Config-Tool

Bugfix

Since	Description
X.9.11	Fixed a bug related to MD5 checksum verification.

Connection-Manager

Bugfix

Since	Description
X.9.0	Added support for new cellular modem type (MC7304).
X.9.2	Fixed problems with wrong status output.
X.9.4	Fixed roaming issues with some modem types.
X.9.13	If a PIN is needed but not configured the router will log "No PIN configured!" instead of "PIN NOT accepted!".
X.9.13	Optimized the SIM-switch modem reset in case the modem is locked by another application.
X.9.16	Recovery ping now adds routes for both ping targets.
	Pingchecker: adjusted loglevel of "Switch to Ping-Target" output.
	Fixed a bug related to how the IPSec connection is initiated.
X.9.27	Fixed a display bug related to ping interface in a logical entry.
	Due to a bug, technology selection was not considered in case a PLMN was set/configured.
	Fixed SNMP support.

Optimization

Since	Description
X.9.5	PIN verification optimized.
	Optimized APN and authentication handling.
X.9.16	Improved "Maximum negotiation timeout" accuracy.

Added/Removed/Changed

Since	Description
X.9.2	»Ping-Interface« is now configureable for logical entries.

Dynamic DNS Client

Added/Removed/Changed

Since	Description
X.9.27	Added support for ddns.de service.

DNSmasq

Added/Removed/Changed

Since	Description
X.9.9	Webinterface: Added module for dnsmasq + default configuration.
X.9.27	Updated dnsmasq to version 2.78 for security reasons. (CVE-2017-14494)

Event-Handler / SMS-Handler

Added/Removed/Changed

Since	Description
X.9.5	Internal changes for SMS-Handler.

GPS (Global Positioning System)

Added/Removed/Changed

Since	Description
X.9.0	Added support for new cellular modem type (MC7304).

GSM Modem State (Diagnose)

Bugfix

Since	Description
X.9.27	ICCID was shown wrong with some modem types.

IPSec-VPN

Bugfix

Since	Description
X.9.6	IPSec SA status: In some cases, during rekeying the status is displayed as "REKEYING" instead of "INSTALLED" for some time.
X.9.18	Fixed a bug in diagnose module: Rekeying time is now shown again.
X.9.27	If tunnel name was too long, the status was not shown in diagnose module.

Optimization

Since	Description
X.9.9	Webinterface changes (added path to configuration file). Adjusted default charon logging levels.

Added/Removed/Changed

Since	Description
X.9.0	OpenSwan has been replaced with StrongSwan, all X.9.X releases are using StrongSwan now.
X.9.9	Added support for EAP authentication.
X.9.11	Updated StrongSwan to release 5.3.5.
X.9.16	Added diagnose module to webinterface
X.9.17	Updated StrongSwan to release 5.5.0

LED-Handler, LEDs, Push-Button

Bugfix

Since	Description
X.9.16	Fixed a bug related to showing IPSec activity on the LEDs.

Added/Removed/Changed

Since	Description
X.9.0	Changes related to IPSec daemon change (OpenSWAN -> StrongSwan).

NTP (ntpd)

Added/Removed/Changed

Since	Description
X.9.18	Webinterface: Changed restart behavior
X.9.27	Updated ntp to version 4.2.8p10 for security reasons. Added a new webeditor for ntp.conf inside the webinterface module. Added a new default configuration for ntp.conf.

OpenL2TP

Added/Removed/Changed

Since	Description
X.9.9	Webinterface: Added module for openl2tpd + startup script.
X.9.17	Changed behavior for "l2tp over ipsec" connections during IPSec rekeying.

OpenVPN

Bugfix

Since	Description
X.9.6	Webinterface: Changes to a tunnel configuration in "disabled" state were written into a new configuration.

Added/Removed/Changed

Since	Description
X.9.19	Added check and notice, if DH File length is smaller than 1024bit.

System

Bugfix

Since	Description
X.9.8	Driver bugfix.
X.9.14	GLIBC security fix included to fix CVE-2015-0235, CVE-2015-7547 and a memory leak related to CVE-2015-7547.
X.9.20	"Dirty Cow" privilege escalation vulnerability in linux kernel fixed. (CVE-2016-5195)

Optimization

Since	Description
X.9.0	Internal modem handling optimized (HUAWEI devices).
X.9.4	Internal modem handling optimized (mainly for HUAWEI devices).
X.9.9	Shell prompt color changed to „blue“ to easily identify TDT devices.
X.9.27	Optimized reboot behavior regarding Ethernet-switch
	Optimized firmware update behavior regarding ADSL extension.

Added/Removed/Changed

Since	Description
X.9.0	Internal changes. OpenSSL updated to version 1.0.2a due to security issues. Added support for HUAWEI cellular modules. Added support for new cellular modem type (MC7304).
X.9.1	OEM related changes.
X.9.9	“TDT Support Script” to collect support data added (“/etc/scripts/TDT_SupportInfo”).
X.9.9	Added download link for product manual to login page and navigation bar.
X.9.15	New version of the “TDT Support Script” integrated (ADSL information added).
X.9.16	Removed bootlog from logrotation. Manual updated.
X.9.17	OpenSSL version updated to version 1.0.2h for security reasons. Updated TDT-Supportscript to version 1.5
X.9.18	OpenSSL version updated to version 1.0.2j for security reasons. Manual updated.
X.9.27	OpenSSH version updated to version 7.5p1 for security reasons. OpenSSL version updated to version 1.0.2k for security reasons. Smartmontools added to monitor health of the building storage device (especially G5000/L5000 devices) Crypto-CCM mode activated. Updated driver for Intel IGB network controller.

Time Synchronization

Bugfix

Since	Description
X.9.15	Deleting a previously configured Time Server is now possible by just submitting an empty parameter field.

VRRP

Bugfix

Since	Description
X.9.19	Fixed error output in startup script.

WLAN

Bugfix

Since	Description
X.9.16	Fixed a display bug where RAT (Radio Access Technology) was shown wrong in the interface overview.
X.9.18	Limiting to single technology (e.g. 2G only) was not working reliable enough.

Added/Removed/Changed

Since	Description
X.9.27	Updated WLAN drivers to latest version. Added WPA2 KRACK security-patches to prevent security issues when running in client/station mode.

WWAN

Bugfix

Since	Description
X.9.14	Fixed a display bug where RAT (Radio Access Technology) was shown wrong in the interface overview.
X.9.18	Limiting to single technology (e.g. 2G only) was not working reliable enough.
X.9.27	Fixed a bug related to the new “Active SIM after bootup” feature which prevented the connection to come up on first attempts until a modem reset took place.

Added/Removed/Changed

Since	Description
X.9.9	New option for network technology combination to use (on 4G modules): 2G+3G, 2G+4G, 3G+4G
X.9.15	New parameter and function “Active SIM after bootup” added. The router can now initiate the modem without the need to actively establish a wwan connection. This can be useful in combination with monitoring systems. This feature does not work on a pin-protected simcard.