OTD140 Firmware Downloads

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This page contains firmware files for OTD140 devices. Look to the table below or the [changelog](#) to find download links.

To upgrade firmware using WebUI, follow the instructions in [OTD140 Firmware](#).

OTD140					
File	**Type**	**Release date**	**Size**	**MD5**	**Changelog**
[OTD140_R_00.07.07.1_WEBUI.bin](#)	Latest FW	2024.05.03	10.13 MB	ff33870e309f12391da0bd2947a75cfc	[Link](#)
[OTD140_R_00.07.06.10_WEBUI.bin](#)	Mass production FW	2024.04.04	9.94 MB	6241a1a74588bdaa5ea1244e78f4739a	[Link](#)
[OTD140_R_GPL_00.07.07.1.tar.gz](#)	SDK	2024.05.03	19.29 MB	3f4f745dc54c5e2bc2d84da53023dd2b	

Note: packages for [Package Manager](#) are independent from firmware and can be downloaded in the [Package Downloads](#) page.

FW checksums

Checksums for firmware files can be found **[here](#)**.

Changelog

[OTD140_R_00.07.07.1](#) | 2024.05.03

- **New**
  - **Network**
    - WebUI: added ESM/EMM message notifications
    - WebUI: added internet status tracking configuration and overview widget
    - LAN: added a new IPv6 LAN status page
    - Static Leases: added a new IPv6 Static Leases page
    - WebUI: added custom domain name resolve option in "DNS" configuration page
    - Auto APN: added "uno.au-net.ne.jp" APN for "KDDI" operator
    - Auto APN: added 'eprivate010.tisparkle.com' APN for "Sparkle" operator
    - QoS: added mobile interface select option
    - Mobile: improved connection establish time for uqmi protocol
    - Failover: added additional connection flush options
    - VRF: added initial Virtual Routing and Forwarding support
  - **Services**
    - DLMS Client: added persistent TCP connections
    - Events Reporting: added unexpected shutdown event
    - Modbus Client: added 64bit data types

- IPerf3: added iPerf3 to Package Manager
- TR-069: added PCI, LAC, TAC, EARFCN and Neighbour cells data to Device.MobileInfo node
- Hotspot: added domain and subdomain options for external landing page
- Ping reboot: added capability to restart PoE port
- **System**
  - WebUI: added the ability to generate random passwords for password input fields
  - WebUI: added reset to "Factory defaults" option
  - System: changed firmware certificate verification tool
  - IP Block: added time-based login attempt blocking
  - WebUI: added firmware update notification support
  - PAM: added the ability to set port for TACACS+
  - Logging: added multiple remote syslog servers support
- **Improvements**
  - **Network**
    - Static Leases: added possibility to use MAC with wildcard
    - WebUI: added ability to disable modem update notifications
    - Topology: changed network devices scanning application
    - WebUI: improved design of Status - LAN page
    - DHCP: simplified DHCP configurations in other pages and moved full DHCP configuration to a separate page
    - DHCP: removed default disabled server configuration for WAN interface
    - WebUI: simplified data entry of DNS forwardings by separating hostname and IP address fields
    - BGP: added Virtual Routing and Forwarding (VRF) support
    - BGP: added multiple BGP instance support
    - WebUI: adjusted responsive design breakpoints
    - Dnsmasq: updated dnsmasq to version 2.89
    - WebUI: added additional field for warning threshold to allow entering value as percentage in Mobile Data Limit section
    - Mobile: improved mobile services stability when SIM card is lost during SMS sending
    - Mobile: updated bridge/passthrough mode logic to flush ARP and add static ARP entry if MAC is specified
    - Mobile: improved SIM switch logging and protection on failure to acquire data
    - WebUI: added partial data loading to APN database page
    - Mobile: improved SMS sending timeouts during network issues
    - Mobile: improved connection handling when data limit is reached
    - Mobile: added metric to default gateway when using passthrough mode
    - WebUI: added validation for 2 same APNs
    - WebUI: updated Band selection field to show duplex modes in Mobile General page
  - **Services**
    - Wireguard: added option to bind tunnel to a specific interface
    - OPC UA Client: added limits (10 servers, 20 groups, 50 nodes per server, 50 values per group)
    - DLMS Client: increased maximum count of connection sections to 30
    - DLMS Client: added short name referencing
    - SNMP: set strict default community access when IPv6 address is used
    - SNMP: improved sysName OID to set device's hostname
    - OpenVPN: added the bridge option for selecting the network device to be bridged

with
- OpenVPN: added possibility to create more than one TAP client
- Auto Reply: added available SMS message parameters to "Message text" input
- Modbus Client: allow using diacritics in SMS alarms
- Hotspot: moved MAC blocking option from Access Control to Hotspot page
- WebUI: added MAC authentication support when using RADIUS authentication mode
- WebUI: moved licenses to footer
- SSTP: updated package version to 1.0.19
- Mosquitto: updated package version to 2.0.17
- **System**
  - WebUI: added more strict password requirements for restoring backup
  - SMTP: added option to either not verify SMTP server or upload SMTP server's CA file to verify authenticity
  - WebUI: Added the ability to choose the ROOT CA when using certificates from the device
  - WebUI: unified time format to ISO8601 across the entire WebUI
  - WebUI: added ability to choose imported certificate and key as 'Server certificate' and 'Server key' in 'Access Control'
  - WebUI: added 'Hosts' and 'IP Addresses' options for 'Simple' certificate generation and certificate signing
  - WebUI: changed firmware update option to server as a default option
  - WebUI: improved first login password change logic
  - Certificates: updated Root CA certificates
  - GPL: added offline package preparation command for GPL builds
  - Speedtest: added multiple connections support to improve accuracy
  - Kernel: updated to version 5.15.149
  - Libcap: updated package version to 2.69
- **Fix**
  - **Network**
    - Topology: fixed showing interfaces with assigned VLAN
    - WebUI: fixed static routing creation for GRE instance
    - Network: fixed DHCPv4 relay mode enabling
    - Mobile: fixed PIN code set after modem restart
    - Mobile: fixed an issue where using SIM change command on one SIM slot modems would reset connection
    - Mobile: fixed an issue where message storage would not be checked correctly
    - Mobile: fixed temperature value sometimes returning 0
    - Mobile: fixed denied roaming flag set
    - SIM Switch: fixed an issue when low "Check interval" was causing connection to fail
    - SIM Idle Protection: fixed problem when the SIM slot remained unchanged
    - Mobile: fixed an issue where SIM switch would fail when switching to PUK blocked SIM
    - Mobile: fixed an issue where sim switch would be executed twice immediately causing sim to not be switched
    - Mobile: fixed SIM PIN saving for non primary SIM cards
    - Failover: fixed Failover missing active rules when using multiple source and destination IP addresses
    - Failover: fixed an issue where failover would not function correctly while using a mobile interface

- WebUI: fixed network and failover interface metric sorting synchronization issue
- WebUI: fixed failover rule policy save issue with newly added WAN interface
- Interfaces: fixed failover value for new WAN being taken from WAN that was just deleted
- WebUI: added validation to prevent default VLAN deletion
- **Services**
  - Modbus Client: allow using negative floating point values in requests
  - Azure IoT Hub: fixed Data to Server minor WebUI dependency bugs
  - Data to Server: fixed DLMS data formating
  - Data to Server: fixed Network link state data display
  - DLMS Client: fixed segfault while reading profile generic COSEM object
  - DLMS Client: fixed profile generic entries reading
  - DLMS Client: fixed application memory allocation issues
  - SSTP: fixed route adding when default route is enabled
  - SNMP: fixed VLAN OID naming
  - OpenVPN: added fixes for instance status tracking functionality
  - OpenVPN: resolved uptime counting issues
  - PPTP: fixed PPTP instance deletion problem
  - Hotspot: fixed password validation for locally created users and signed-up users
  - Hotspot: fixed session invalidation after deleting registered user
  - Hotspot: fixed SMS OTP password reuse
  - Hotspot: fixed firewall rule creation
  - PPTP: fixed problem related with routes when failover is enabled
  - Modbus Client: fixed issue where service freezes when SMS alarm is sent
  - Azure IoT Hub: fixed 'contentType' telemetry message parameter
  - UPnP: updated package version to 2.3.4
- **System**
  - NTP Client: fixed 'Count of time synchronizations' execution when synchronization to mobile operator is chosen
  - Package Manager: fixed spinner message when restarting network after package upload or download
  - Package Manager: fixed supported devices check when installing a package from server
  - WebUI: fixed language install from uploaded package after upgrade with keep settings
  - WebUI: fixed an issue when a user was not logged out after changing profiles
  - Telnet: fixed segmentation fault during concurrent connections
  - CLI: fixed enter key issue on mobile chromium based browsers
  - System Users: fixed SSH session close after deleting user or disabling SSH access
  - Profiles: fixed profile migration with installed packages
  - Boot: now powering modem during preinit after firstboot
  - WebUI: fixed Hotspot log page table search functionality
  - Speedtest: fix missing download speed on some servers
  - PAM: updated libpam to version 1.6.0
- **CVE Patches**
  - CVE-2022-4603
  - CVE-2022-23308
  - CVE 2022-45061
  - CVE-2023-0466
  - CVE-2023-6129
  - CVE-2023-7042

- CVE 2023-24329
- CVE 2023-27043
- CVE-2023-42366
- CVE-2023-46218
- CVE-2023-46219
- CVE-2023-46752
- CVE-2023-46753
- CVE-2023-48795
- CVE-2024-2397
- CVE-2024-25062
- CVE-2024-27913
- CVE-2024-22365

[OTD140_R_00.07.06.10](#) | 2024.04.04

- Global changelog for **R_00.07.06.10** - [LINK](#)

OTD140_R_00.07.06.8 | 2024.03.25

- Firmware **R_00.07.06.8** was removed due to an issue with inefficient memory allocation for LED control.

[OTD140_R_00.07.06.6](#) | 2024.03.04

- Global changelog for **R_00.07.06.6** - [LINK](#)

[OTD140_R_00.07.06.5](#) | 2024.02.21

- Global changelog for **R_00.07.06.5** - [LINK](#)

[OTD140_R_00.07.06.3](#) | 2024.01.17

- Global changelog for **R_00.07.06.3** - [LINK](#)

[OTD140_R_00.07.06.1](#) | 2024.01.04

- **New**
  - Initial firmware release