

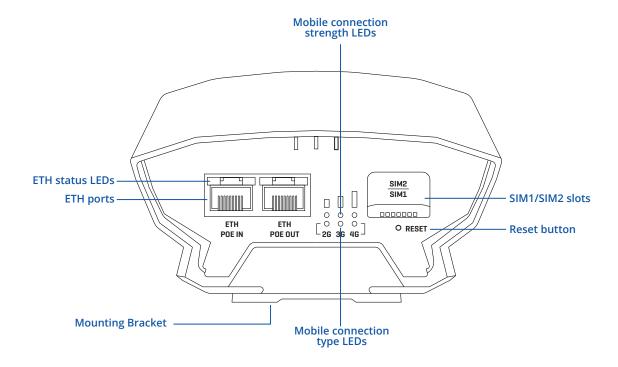
OTD140





HARDWARE

FRONT VIEW



RJ45 LED MEANING





FEATURES

DDNS

Hotspot

SSHFS

Network backup

MOBILE	
Mobile module	4G (LTE) - LTE Cat 4 150 Mbps DL, 50 Mbps UL; 3G - 21 Mbps DL, 5.76 Mbps UL; 2G - 236.8 kbps DL, 236.8 kbps UL
SIM switch	2 SIM cards, auto-switch cases: weak signal, data limit, SMS limit, roaming, no network, network denied, data connection fail, SIM idle protection
Status	Signal strength (RSSI), SINR, RSRP, RSRQ, EC/IO, RSCP, Bytes sent/received, connected band, IMSI, ICCID
SMS	SMS status, SMS configuration, send/read SMS via HTTP POST/GET, EMAIL to SMS, SMS to EMAIL, SMS to HTTP, SMS to SMS, scheduled SMS, SMS autoreply, SMPP
USSD	Supports sending and reading Unstructured Supplementary Service Data messages
Black/White list	Operator black/white list
Band management	Band lock, Used band status display
APN	Auto APN
Bridge	Direct connection (bridge) between mobile ISP and device on LAN
Passthrough	Router assigns its mobile WAN IP address to another device on LAN
ETHERNET	
LAN	2 x ETH ports (can be configured as WAN), 10/100 Mbps, compliance with IEEE 802.3, IEEE 802.3u, 802.3az standards, supports auto MDI/MDIX crossover
POE IN	
PoE ports	1 x PoE In
PoE standards	802.3af/at
POE OUT	
PoE ports	1 x PoE Out
PoE standards	802.3af/at
PoE Max Power per Port (at PSE)	24 W Max (power supply unit dependent)
NETWORK	
Routing	Static routing, Dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), Policy based routing
Network protocols	TCP, UDP, IPv4, IPv6, ICMP, NTP, DNS, HTTP, HTTPS, SFTP, FTP, SMTP, SSL/TLS, ARP, VRRP, PPP, PPPoE, UPNP, SSH, DHCP, Telnet, SMPP, SNMP, MQTT, Wake On Lan (WOL)
VoIP passthrough support	H.323 and SIP-alg protocol NAT helpers, allowing proper routing of VoIP packets
Connection monitoring	Ping Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection
Firewall	Port forward, traffic rules, custom rules
Firewall status page	View all your Firewall statistics, rules, and rule counters
Ports management	View device ports, enable and disable each of them, turn auto-configuration on or off, change their transmission speed, and so on
Network topology	Visual representation of your network, showing which devices are connected to which other devices
DHCP	Static and dynamic IP allocation, DHCP Relay
QoS / Smart Queue Management (SQM)	Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e

Supported >25 service providers, others can be configured manually

Possibility to mount remote file system via SSH protoco

VRRP, Wired options, each of which can be used as an automatic Failover

Captive portal (Hotspot), internal/external Radius server, SMS authorization, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group limitations, user management, 9 default customizable themes and option to upload and download customised hotspot themes



SECURITY

red key, digital certificates, X.509 certificates, TACACS+, Radius, IP & Login attempts block figured firewall rules can be enabled via WebUI, unlimited firewall configuration via CLI; DMZ; NAT; NAT-T revention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN f, X-mas, NULL flags, FIN scan attacks) d tag-based VLAN separation data limit, customizable period, start time, warning limit, phone number t for blocking out unwanted websites, Whitelist for specifying allowed sites only access control of SSH, Web interface, CLI and Telnet et clients and a server can run simultaneously, 27 encryption methods c clients and a server can run simultaneously, 27 encryption methods c 64, RC2-CBC 128, DES-EDE-CBC 128, DES-EDE3-CBC 192, DESX-CBC 192, 128, RC2-40-CBC 40, CAST5-CBC 128, RC2-64-CBC 64, AES-128-CBC 128, AES-128-CFB 128, AES-128-CFB 1128, -CFBB 128, AES-128-OFB 128, AES-128-GCM 128, AES-128-CCFB 192, AES-192-CFB 192, AE
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ard VPN client and server support
ers encryption, authentication and compression in it's tunnels. Client and server support
erver (planned)
Client
IS TCP custom register block requests, which read/write to a file inside the router, and can be used to extend MODBUS ve functionality
T, UINT; 16-bit: INT, UINT (MSB or LSB first); 32-bit: float, INT, UINT (ABCD (big-endian), DCBA (little-endian), CDAB, HEX, ASCII
, MQTT, Azure MQTT
parameters from multiple sources and different protocols, and send them all to a single server
sending commands and receiving data from MODBUS Master through MQTT broker
Outstation
standard protocol for utility meter data exchange



MONITORING & MANAGEMENT

ILIVI
HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, event log, system log, kernel log
Firmware update from server, automatic notification
SSH (v1, v2)
SMS status, SMS configuration, send/read SMS via HTTP POST/GET
Reboot, Status, Mobile data on/off, Output on/off, answer/hang-up with a timer
OpenACS, EasyCwmp, ACSLite, tGem, LibreACS, GenieACS, FreeACS, LibCWMP, Friendly tech, AVSystem
MQTT Broker, MQTT publisher
SNMP (v1, v2, v3), SNMP Trap
Management API over HTTP/HTTPS
MODBUS TCP status/control
Teltonika Remote Management System (RMS)
Allows monitoring of: Device data, Mobile data, Network info, Availability
Allows monitoring of: WAN Type, WAN IP, Mobile Operator Name, Mobile Signal Strength, Mobile Network Type
Allows monitoring of: Device Model, Revision and Serial Number, WAN Type and IP, Mobile Cell ID, ICCID, IMEI, Connection Type, Operator, Signal Strength
Can send device IP, Number of bytes send/received, Temperature, PIN count to Azure IoT Hub server, Mobile connection state Network link state, IMEI, ICCID, Model, Manufacturer, Serial, Revision, IMSI, SIM State, PIN state, GSM signal, WCDMA RSCP, WCDMA EC/IO, LTE RSRP, LTE SINR, LTE RSRQ, CELL ID, Operator, Operator number, Connection type
Mediatek, 580 MHz, MIPS 24KEc
128 MB
16 MB
ON
Update FW from file, check FW on server, configuration profiles, configuration backup
Update FW
Update FW/configuration for multiple devices at once
Update FW without losing current configuration
N
RutOS (OpenWrt based Linux OS)
Busybox shell, Lua, C, C++, and Python, Java in Package manager
SDK package with build environment provided
You can now create your own custom firmware and web page application, with some examples to make the creation process easier; and brand our firmware by changing colours, logos, and so on to fit your or your clients' needs
Email, RMS, SMS
RJ45 Socket
42.5–57.0 VDC, reverse polarity protection, voltage surge/transient protection
Idle: < 2.5 W / Max: < 6 W / PoE Max < 21 W
2 x RJ45 ports, 10/100 Mbps
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PHYSICAL SPECIFICATION

Casing material	Plastic (PC+ASA)
Dimensions (W x H x D)	110 x 49.30 x 235 mm
Weight	855 g
Mounting options	Mounting Bracket (for vertical flat surface or pole mounting)
OPERATING ENVIRONMENT	NT
Operating temperature	-40 °C to 75 °C
Operating humidity	10% to 90% non-condensing
Ingress Protection Rating	IP55
REGULATORY & TYPE APP	PROVALS

REGULATORY & TYPE APPROVALS

Regulatory CE, UKCA, EAC, UCRF, RCM



STANDARD PACKAGE*

- OTD140 Router
- Router Holder
- QSG (Quick Start Guide)
- Packaging Box



^{*} Standard package contents may differ based on standard order codes.

CLASSIFICATION CODES

HS Code: 851762 HTS: 8517.62.00

For more information on all available packaging options – please contact us directly.

AVAILABLE VERSIONS

HARDWARE VERSION **SUPPORTED FREQUENCIES**

STANDARD ORDER CODE / PACKAGE CONTAINS

OTD140 0**** Australia, Europe, Asia-Pacific **4G (LTE-FDD):** B1, B3, B5, B7, B8, B20, B28 4G (LTE-TDD): B38, B40, B41 **3G**: B1, B5, B8 2G: B3, B8

OTD140 000000 / Standard Package

 $The price and lead-times for region (operator) specific versions \ may \ vary. For more information \ please \ contact \ us.$

- 1 Regional availability excluding Russia & Belarus 2 For more detailed information about certified carriers, visit our Wiki page



OTD140 SPATIAL MEASUREMENTS & WEIGHT

MAIN MEASUREMENTS

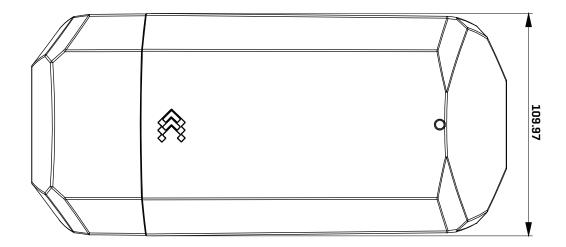
W x H x D dimensions for OTD140:

Device housing*: 110 x 49.30 x 235 mm Box: 355 mm x 175 mm x 60 mm

*Housing measurements are presented without antenna connectors and screws; for measurements of other device elements look to the sections below.

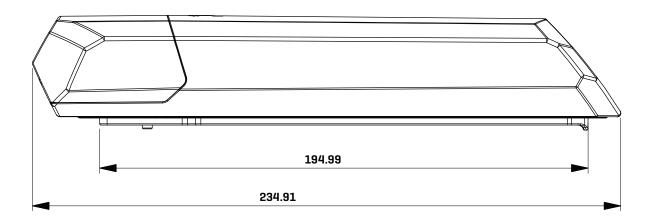
TOP VIEW

The figure below depicts the measurements of OTD140 and its components as seen from the top:



RIGHT VIEW

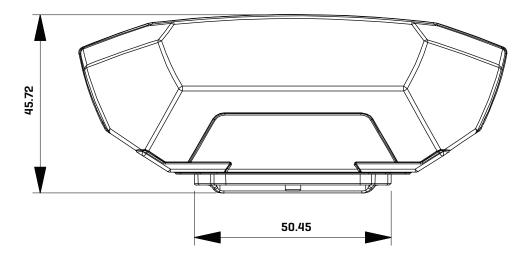
The figure below depicts the measurements of OTD140 and its components as seen from the right side: $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left(\frac{1}$





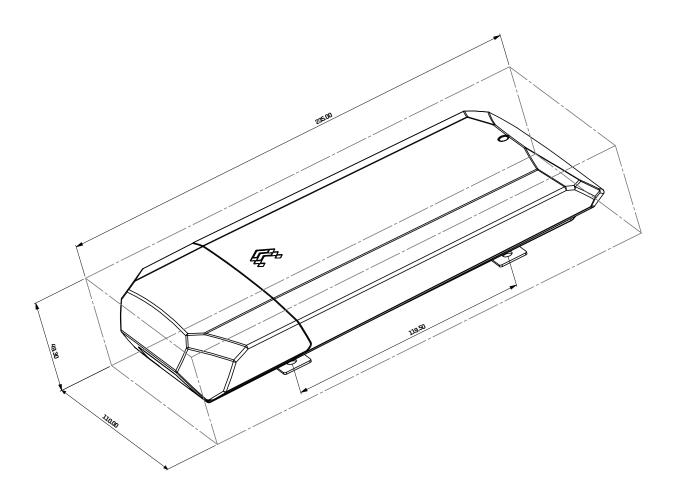
FRONT VIEW

The figure below depicts the measurements of OTD140 and its components as seen from the front panel side: $\frac{1}{2} \left(\frac{1}{2} \right) = \frac{1}{2} \left(\frac{1}{2} \right) \left$



MOUNTING SPACE REQUIREMENTS

The figure below depicts an approximation of the device's dimensions when cables and antennas are attached:



MOUNTING SPACE REQUIREMENTS

