

Item no.: 386904

## OTD140 - Outdoor router, 2 x ETH ports, 4G mobile radio module (LTE)

from **114,77 EUR**

Item no.: 386904  
shipping weight: 0.90 kg  
Manufacturer: Teltonika



 Product Description

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MOBILE- Cellular 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 error, SIM idle protection- StatusIMSI, ICCID, operator, operator status, data connection status, network type, bandwidth, connected band, signal strength (RSSI), SINR, RSRP, RSRQ, EC/IO, RSCP, sent/received data, LAC, TAC, cell ID, ARFCN, UARFCN, EARFCN, MCC and MNC- SMSSMS status, SMS configuration, sending/reading 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 of Unstructured Supplementary Service Data messages- Black/White list Operator Black/White list (by country or individual operator)- Band management Band lock, Band status display- APN Auto APN- Bridge Direct connection (bridge) between mobile ISP and device in the LAN- Passthrough Router assigns its mobile WAN IP address to another device in the LANETHERNET- 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 CrossoverPOE IN- PoE Ports 1 x PoE In- PoE Standards 802.3af/atPOE OUT- PoE Ports 1 x PoE Out- PoE Standards 802.3af Alternative B- PoE Max Power per Port (at PSE) 15 W Max (power supply dependent)NETWORK- Routing Static routing, dynamic routing (BGP, OSPF v2, RIP v1/v2, EIGRP, NHRP), policy based routing- Network protocolsTCP, 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 helps that enable correct routing of VoIP packetsConnection monitoringPing Reboot, Wget Reboot, Periodic Reboot, LCP and ICMP for link inspection- Firewall Port forwarding, traffic rules, user-defined rules- Firewall status pageDisplay all firewall statistics, rules and rule counters- Ports management Display the device ports, activate and deactivate the individual ports, switch the automatic configuration on or off, change the transmission speed, etc.- Network topology Visual representation of your network showing which devices are connected to which other devices- DHCP Static and dynamic IP assignment, DHCP relay- QoS / Smart Queue Management (SQM) Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e- DDNS Supported >25 service providers, others can be configured manually- Network backup VRRP, wired options, any of which can be used as automatic failover- HotspotCaptive portal (hotspot), internal/external radius server, SMS authorisation, internal/external landing page, walled garden, user scripts, URL parameters, user groups, individual user or group restrictions, user management, 9 default customisable themes and the ability to upload and download custom hotspot themes- SSHFS Ability to mount a remote file system via the SSH protocolSECURITY- Authentication Pre-shared key, digital certificates, X.509 certificates, TACACS+, Radius, block IP & login attempts- Firewall Pre-configured firewall rules can be activated via WebUI, unlimited firewall configuration via CLI; DMZ; NAT; NAT-T- Attack preventionDDOS prevention (SYN flood protection, SSH attack prevention, HTTP/HTTPS attack prevention), port scan prevention (SYN-FIN, SYN-RST, X-mas, NULL flags, FIN scan attacks)- VLAN Port and tag-based VLAN separation- Mobile quota control Mobile data limit, customisable time period, start time, warning limit, telephone number- WEB filter Blacklist for blocking unwanted websites, whitelist for specifying only permitted sites- Access control Flexible access control from SSH, Web interface, CLI and TelnetVPN- OpenVPN Multiple clients and a server can run simultaneously, 27 encryption methods- OpenVPN encryptionDES-CBC 64, RC2-CBC 128, DES-EDE-CBC 128, DES-EDE3-CBC 192, DESX-CBC 192,BF-CBC 128, RC2-40-CBC 40, CAST5-CBC 128, RC2-64-CBC 64, AES-128-CBC 128, AES-128-CFB 128, AES-128-CFB 128, AES-128-CFB1 128, AES-128-CFB8 128, AES-128-OFB 128, AES-128-GCM 128, AES-192-CFB 192, AES-192-CFB1 192, AES-192-CFB8 192, AES-192-OFB 192, AES-192-CBC 192, AES-192-GCM 192, AES-256-GCM 256, AES-256-CFB 256, AES-256-CFB1 256, AES-256-CFB8 256, AES-256-OFB 256, AES-256-CBC 256- IPsecIKEv1, IKEv2, with 14 encryption methods for IPsec (3DES, DES, AES128, AES192, AES256, AES128GCM8, AES192GCM8, AES256GCM8, AES128GCM12, AES192GCM12, AES256GCM12, AES128GCM16, AES192GCM16, AES256GCM16)- GRE GRE tunnels, GRE tunnels over IPsec support- PPTP, L2TP client/server instances can run simultaneously, L2TPv3, L2TP over IPsec support- Stunnel proxy designed to add TLS encryption functionality to existing clients and servers, without changing the programme code- DMVPNMethod for building scalable IPsec VPNs- SSTP SSTP client instance support- ZeroTier ZeroTier VPN client support- WireGuard WireGuard VPN client and server support- Tinc Tinc provides encryption, authentication and compression in its tunnels. Client and server support.OPC UA- Supported modes Client, Server- Supported connection types TCPMODBUS- Supported modes Server, Client- Supported connection types TCP- User defined registersMODBUS TCP user defined register block requests that can be read/written to a file within the router and used to extend MODBUS TCP client functionality- Supported data formats 8-bit: INT, UINT; 16-bit: INT, UINT (MSB or LSB first); 32-bit: float, INT, UINT (ABCD (big-endian), DCBA (little-endian), CDAB, BADC), HEX, ASCII DATATO SERVER- Protocol HTTP(S), MQTT, Azure MQTT- Data to server Extract parameters from multiple sources and different protocols,MODBUS MQTT GATEWAY- Modbus MQTT Gateway Enables sending commands and receiving data from MODBUS server through MQTT BrokerDNP3- Supported modes Station, Outstation- Supported connections TCPDLMS- DLMS Support DLMS - Standard protocol for exchanging meter dataAPI- Teltonika Networks Web API (beta) SupportExtend the capabilities of your device by using a range of configurable API endpoints to retrieve or modify data. For more information, please read this documentation: <https://developers.teltonika-networks.com>MONITORING & MANAGEMENT- WEB UI HTTP/HTTPS, status, configuration, FW update, CLI, troubleshooting, event log, system log, kernel log- FOTA firmware update from server, automatic notification- SSH SSH (v1, v2)- Email Receive email status messages for various services- SMS SMS status, SMS configuration, send/read SMS via HTTP POST/GET- Calls restart, status, mobile data on/off, outbox on/off, answer/hang up with timer- TR-069 OpenACS, EasyCwmp, ACSLite, tGem, LibreACS, GenieACS, FreeACS, LibCWMP, Friendly tech, AVSystem- MQTT MQTT Broker, MQTT Publisher- SNMP SNMP (v1, v2, v3), SNMP Trap- JSON-RPC Management API via HTTP/HTTPS- RMS Teltonika Remote Management System (RMS)IOTPLATFORMS- Cloud of Things Enables the monitoring of: Device data, mobile data, network information, availability- ThingWorx Enables monitoring of: WAN type, WAN IP, mobile provider name, mobile network signal strength, mobile network type- Cumulocity Enables monitoring of: Device model, revision and serial number, WAN type and IP, cellular cell ID, ICCID, IMEI, connection type, carrier, signal strength- Azure IoT HubCan send device IP, number of bytes sent/received, temperature, PIN count to Azure IoT Hub server, mobile connection status, network connection status, IMEI, ICCID, model, manufacturer, Series, revision, IMSI, SIM status, PIN status, GSM signal, WCDMA RSCP, WCDMA EC/IO, LTE RSRP, LTE SINR, LTE RSRQ, CELL ID, operator, operator number, Connection typeSYSTEM CHARACTERISTICS- CPU Mediatek, 580 MHz, MIPS 24KEc- RAM 128 MB- FLASH memory 16 MBFIRMWARE/ CONFIGURATION- WEB UI Update FW from file, check FW on server, configuration profiles, configuration backup- Update FOTA FW- Update RMS FW/configuration for multiple devices simultaneously- Retain settings Update FW without losing the current configurationFIRMWARECUSTOMISATION- Operating system RutOS (OpenWrt based Linux OS)- Supported languages Busybox Shell, Lua, C, C++ and Python, Java in package manager- Development tools SDK package with provided build environment- GPL customisationYou can create your own custom firmware and website application by changing colours, logos and other elements in our firmware to suit your needs or those of your customers.POWER- Plug RJ45 socket- Input voltage range 42.5-57.0 VDC, reverse polarity protection, overvoltage/transient protection- Input voltage range for PoE 42.5-57.0 VDC, reverse polarity protection, overvoltage/transient protection- Power consumption Idle: < 2.5 W / Max: < 6 W / PoE Max < 21 WPHYSICAL INTERFACES- Ethernet 2 x RJ45 ports, 10/100 Mbps- Status LEDs 3 x mobile connection type, 3 x mobile connection strength, 4 x ETH status LEDs- SIM 2 x SIM slots (Mini SIM - 2FF), 1.8 V/3 V- Power RJ45, PoE In, 42.5 - 57.0 VDC- Antennas 2 x internal antennas- Antenna specifications1 x 698 - 960 / 1710 - 2690MHz, 50 ?, VSWR <3.5, gain <3 dBi, omnidirectional1 x 698 - 960 / 1710 - 2690MHz, 50 ?, VSWR <3, gain <4.5 dBi, omnidirectional- Reset Reboot/User default reset/Factory reset buttonPHYSICAL SPECIFICATIONS- Housing 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- Operating temperature -40 °C to 75 °C- Operating humidity 10 % to 90 % non-condensing- Protection class IP55REGULATORY & TYPE CERTIFICATIONS- Regulations CE, UKCA, EAC, UCRF, RCM

## Specifications

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prices and availability

