

Router Exterior 4G LTE Cat 4 / Wi-Fi 4 / Dual SIM / 2 Puertos Ethernet / PoE / IP55 / -40 °C a 75 °C

SKU: OTD144 Marca: TELTONIKA Categoría: Industrial

Garantía: 1 año

$4,901.96

Precios con IVA incluido

DESCRIPCIÓN

El OTD144 es un router industrial 4G LTE Cat 4 para exteriores, diseñado para proporcionar conectividad robusta en entornos exigentes como ciudades inteligentes, automatización industrial, retail y redes empresariales. Integra un módem LTE Cat 4 con velocidades de descarga de hasta 150 Mbps y Wi-Fi 802.11b/g/n, ofreciendo una solución completa de acceso a internet y red local en una sola unidad. Su diseño robusto con clasificación IP55 lo protege contra el polvo y el agua, mientras que la alimentación a través de PoE simplifica la instalación al requerir un solo cable para datos y energía. El router ejecuta un sistema operativo basado en Linux con soporte para múltiples protocolos VPN, gestión remota y conmutación automática entre dos tarjetas SIM para garantizar la continuidad del servicio en condiciones de red variables.

Características Generales
• Router LTE Cat 4 con velocidades de hasta 150 Mbps
• Wi-Fi 802.11b/g/n integrado
• Diseño robusto para exterior con certificación IP55
• 2 puertos Ethernet 10/100 Mbps con PoE in/out 802.3af/at
• Dual SIM con conmutación automática por señal y roaming
• Soporte VPN múltiple: OpenVPN, IPsec, WireGuard, DMVPN
• Rango operativo extremo: -40 °C a 75 °C

Desempeño
Módem: 4G LTE Cat 4
Descarga: hasta 150 Mbps
Wi-Fi: 802.11b/g/n
Dual SIM con conmutación automática por señal y roaming
VPN: OpenVPN, IPsec, WireGuard, DMVPN
Gestión remota

Físicas / Eléctricas
Certificación: IP55
Rango operativo: -40 °C a 75 °C
2 puertos Ethernet 10/100 Mbps
PoE in/out 802.3af/at

Contenido del Paquete
Router OTD144

ESPECIFICACIONES

Característica 1	**Conmutación automática entre SIM por señal y roaming**
Característica 2	**PoE pasivo y activo 802.3af/at para instalación con un solo cable**
Característica 3	**VPN múltiple: OpenVPN, IPsec, WireGuard y DMVPN integrados**
Característica 4	**Operación estable de -40 °C a 75 °C en entornos extremos**
Característica 5	**Módem LTE Cat 4 con descarga hasta 150 Mbps**
Característica 6	**Wi-Fi 802.11b/g/n integrado para red local inalámbrica**

MEMORIA TÉCNICA · OTD144

Número de parte de esta ficha: OTD144. La información corresponde a esta variante.

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OTD144
OTD144 Outdoor Wi-Fi Router
Energy &
utilities
Enterprise Industrial &
automation
Retail Smart city
OUTDOOR WI-FI
Outdoor LTE Cat 4 router with integrated Wi-Fi
RUGGED DESIGN
Weather-resistant build with IP55 rating
EASY INSTALLATION
Single cable for power and data over PoE
PROFESSIONAL MANAGEMENT
Built-in VPN, hotspot, and remote management
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Mobile
Mobile module
4G LTE Cat 4 up to 150 DL/50 UL Mbps; 3G up to 21 DL/ 5.76 UL Mbps; 2G up to 236.8
DL/236.8 UL Mbps
3GPP Release Release 9
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
IMSI, ICCID, operator, operator state, data connection state, network type, bandwidth,
connected band, signal strength (RSSI), SINR, RSRP, RSRQ, EC/IO, RSCP, data sent/received,
LAC, TAC, cell ID, ARFCN, UARFCN, EARFCN, MCC, and MNC
SMS

SMS status, SMS configuration, 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
Block/Allow list Operator block/allow list (by country or separate operators)
Band management Band lock, Used band status display
SIM PIN code
management
SIM PIN code management enables setting, changing, or disabling the SIM card's PIN
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
Wireless
Wireless mode 802.11b/g/n (Wi-Fi 4), Access Point (AP), Station (STA)
Wi-Fi security
WPA2-Enterprise: PEAP, WPA2-PSK, WPA-EAP, WPA-PSK, WPA3-SAE, WPA3-EAP, OWE;
AES-CCMP, TKIP, Auto-cipher modes, client separation, EAP-TLS with PKCS#12 certificates,
disable auto-reconnect, 802.11w Protected Management Frames (PMF)
SSID/ESSID SSID stealth mode and access control based on MAC address
Wi-Fi users Up to 100 simultaneous connections
Wireless Connectivity
Features
Wireless mesh (802.11s), fast roaming (802.11r), Radio Resource Measurement (802.11k), BSS
Transition Management (802.11v), Client isolation, Hide SSID, WMM
Wireless MAC filter Allowlist, blocklist
Wireless QR code
generator
Once scanned, a user will automatically enter your network without needing to input login
information
TravelMate Forward Wi-Fi hotspot landing page to a subsequent connected device
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
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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 Alternative B
PoE Max Power per
Port (at PSE)
15 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),
VXLAN
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, TTL target customisation
Firewall status page View all your Firewall statistics, rules, and rule counters
Port 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, DHCP server configuration, status, static leases:
MAC with wildcards
QoS / Smart Queue
Management (SQM)
Traffic priority queuing by source/destination, service, protocol or port, WMM, 802.11e
DDNS Supported >77 service providers, others can be configured manually
DNS over HTTPS DNS over HTTPS proxy enables secure DNS resolution by routing DNS queries over HTTPS
Network backup VRRP, Wired options, each of which can be used as an automatic Failover
Hotspot
Captive portal (hotspot), internal/external Radius server, Radius MAC authentication, SMS
authorisation, SSO authentication, internal/external landing page, walled garden, user scripts,
URL parameters, user groups, individual user or group limitations, user management, 9
default customisable themes and optionality to upload and download customised hotspot
themes
SSHFS Possibility to mount remote file system via SSH protocol
Traffic Management Real-time monitoring, wireless signal charts, traffic usage history
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Security
Authentication
Pre-shared key, digital certificates, X.509 certificates, TACACS+, Internal & External RADIUS
users authentication, IP & login attempts block, time-based login blocking, built-in random
password generator
Firewall
Preconfigured firewall rules can be enabled via WebUI, unlimited firewall configuration via
CLI, DMZ, NAT, NAT-T, NAT64
Attack prevention
DDOS 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, customizable period, start time, warning limit, phone number
WEB filter Block list for blocking out unwanted websites, allow list for specifying allowed sites only
Access control Flexible access control of SSH, Web interface, CLI and Telnet
Certificate Manager Certificate creation tool allows to create CA, server, client, let's encrypt, SCEP certificates
802.1x Port-based network access control server
VPN
OpenVPN Multiple clients and a server can run simultaneously, 27 encryption methods
OpenVPN Encryption
DES-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-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
IPsec

XFRM, IKEv1, IKEv2, with 14 encryption methods for IPsec (3DES, DES, AES128, AES192, AES256, AES128GCM8, AES192GCM8, AES256GCM8, AES128GCM12, AES192GCM12, AES256GCM12, AES128GCM16, AES192GCM16, AES256GCM16)
GRE GRE tunnel, GRE tunnel 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 any changes in the program’s code
DMVPN Method of building scalable IPsec VPNs, Phase 2 and Phase 3 and Dual Hub support
SSTP SSTP client instance support
ZeroTier ZeroTier VPN client support
WireGuard WireGuard VPN client and server support
Tinc
Tinc offers encryption, authentication and compression in it's tunnels. Client and server support.

OPC UA
Supported modes Client, Server
Supported connection types
TCP
MODBUS
Supported modes Server, Client
Supported connection types
TCP
Custom registers
MODBUS TCP custom register block requests, which read/write to a file inside the router, and can be 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
BacNET
Supported modes Router
Supported connection types
IP
Configuration options
Support for multiple BACnet/IP interfaces, Network number assignment, Preconfigured BDT entries for BBMD (BACnet Broadcast Management Device)
Data to Server
Protocol HTTP(S), MQTT, Azure MQTT
Data to server
Extract parameters from multiple sources and different protocols, and send them all to a single server; Custom LUA scripting, allowing scripts to utilize the router's Data to server feature
MQTT Gateway
Modbus MQTT Gateway
Allows sending commands and receiving data from MODBUS Server through MQTT broker
DNP3
Supported modes Station, Outstation
Supported connection TCP
DLMS/COSEM
DLMS Support DLMS - standard protocol for utility meter data exchange
Supported modes Client
Supported connection types
TCP

API
Teltonika Networks Web API (beta) support
Expand your device's possibilities by using a set of configurable API endpoints to retrieve or change data. For more information, please refer to this documentation:
Site Manager
Supported modes Manager
Functionalities
Centralized management of TAP access points and Teltonika's managed switches — including device pairing and grouping, FOTA updates, device status monitoring, automatic reboot scheduling with ping/wget health checks, wireless SSID configuration, and VLAN assignment across the site.
Monitoring & Management
WEB UI
HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, multiple event log servers, firmware update availability notifications, event log, system log, kernel log, Internet status
FOTA Firmware update from server, automatic notification
SSH SSH (v1, v2)
Email Receive email message status alerts of various services
SMS SMS status, SMS configuration
Call Reboot, Status, Mobile data on/off, Output on/off, answer/hang-up with a 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, Brute force protection
JSON-RPC Management API over HTTP/HTTPS
RMS Teltonika Remote Management System (RMS)
IoT Platforms
ThingWorx
Allows monitoring of: WAN Type, WAN IP, Mobile Operator Name, Mobile Signal Strength, Mobile Network Type
Cumulocity - Cloud of Things
Allows monitoring of: Device Model, Revision and Serial Number, WAN Type and IP, Mobile Cell ID, ICCID, IMEI, Connection Type, Operator, Signal Strength. Has reboot and firmware upgrade actions
Azure IoT Hub
Can be configured with Data to Server to send all the available parameters to the cloud. Has Direct method support which allows to execute RutOS API calls on the IoT Hub. Also has Plug and Play integration with Device Provisioning Service that allows zero-touch device provisioning to IoT Hubs
AWS IoT Core
Utility to interact with the AWS cloud platform. Jobs Support: Call the device's API using AWS Jobs functionality

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System Characteristics
CPU Mediatek, 580 MHz, MIPS 24KEc
RAM 128 MB, DDR2
FLASH storage 32 MB serial NOR flash
Firmware/Configuration
WEB UI Update FW from file, check FW on server, configuration profiles, configuration backup
FOTA Update FW
RMS Update FW/configuration for multiple devices at once
Keep settings Update FW without losing current configuration
Factory settings reset
A full factory reset restores all system settings, including the IP address, PIN, and user data to the default manufacturer's configuration
FIRMWARE CUSTOMISATION
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 build environment provided
GPL customization
You can create your own custom, branded firmware and web page application by changing colours, logos, and other elements in our firmware to fit your or your clients’ needs
Package Manager The Package Manager is a service used to install additional software on the device
Power
Connector RJ45 Socket
Input voltage range 42.5–57.0 VDC, reverse polarity protection, voltage surge/transient protection
Input voltage range for
PoE
42.5–57.0 VDC, reverse polarity protection, voltage surge/transient protection
Power consumption Idle: < 2.5 W / Max: < 6 W / PoE Max < 21 W
Physical 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
Antennas
specifications
2 x 698 - 960 / 1710 - 2690MHz, 50 Ω, VSWR