



Product information
FMN alpha UMTS WTM 3 HS
942 042-001

Name	
FMN alpha UMTS WTM 3 HS	
	
FMN alpha UMTS WTM 3 HS FMN communications GmbH	
Delivery informations	
Availability	available
Product description	
Description	FMN alpha UMTS WTM 3 HS FMN communications GmbH
Modi	1. PPPoE: The unit serves as modem with PPPoE interface 2. Router: The unit serves as broadband router
Port type and quantity	Wireless interface: UMTS antenna - SMA; GPS antenna - SMA Ethernet: 2x 10/100 Mbps RJ45
Type	FMN alpha UMTS WTM 3 HS
Order No.	942 042-001
More Interfaces	
Power supply/signaling contact	1 x terminal block, 4-pin
V.24 interface	1 x console block
USB interface	n/a
Network size - length of cable	
Twisted pair (TP)	0 m ... 100 m
Security	
Stateful inspection firewall	The alpha UMTS WTM 3 HS has a simple firewall to block incoming connections (from the WAN) and to allow outgoing connections. Furthermore, services can be forwarded to members of the LAN via port forwarding.
Multipoint VPN	The alpha UMTS WTM 3 HS can take part in a virtual private network as OpenVPN Client. With an IP tunnel (tun), a point-to-point connection between server and alpha UMTS WTM 3 HS is established. With a bridge (tap), the LAN protocol is forwarded.
Power requirements	
Operating voltage DC	10 V ... 60 V
Power consumption	13 W
Service	
Diagnostics	LEDs (power, WWAN, LAN A, LAN B, GPS, PoE)
Configuration	Command Line Interface (CLI), web interface, auto configuration adapter (ACA11), HiDiscovery, SolSoft policy server (ISCM)
Protocols	Ethernet, DNS Cache, GSM Multiplex, HTTP, HTTPS, NAT, NTP, SSH, TCP/IP, Telnet, TLS/SSL, PPP, PPPoE
Other services	RF Features: Quad-band GSM/GPRS/EDGE 850, 900, 1800, 1900 MHz; UMTS WCDMA FDD 2100 MHz (Band Class I), Packet-Mode Features; UMTS data rates 384 kbps Downlink, 384 kbps Uplink; HSDPA data rates 7,2 Mbps Downlink, HSUPA data rates 1,4 Mbps Uplink; GPRS/EDGE Class B, Multislot Class 10 GPS; NMEA 0183 over tcp (virtual serial port)
Ambient conditions	
Operating temperature	-25 °C ... 55 °C
Mechanical construction	
Dimensions (W x H x D)	49 mm x 105 mm x 146 mm
Mounting	DIN Rail
Protection class	IP20
EMC emitted immunity	
EN 55022	EN 55022 Class A
Scope of delivery and accessories	
Scope of delivery	device, terminal block, operating instructions
Accessories to order separately	Stub antenna 0dBi (942 042-103), Omni antenna 5dBi (942 042-101), cable for Omni antenna 3 meters (942 042-102)