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60 GHz Wireless

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GPON

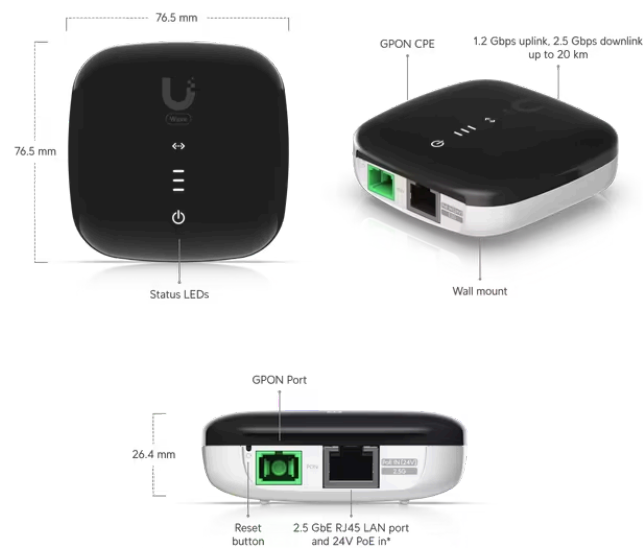
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WaveFiber ONU

Datasheet

Marketing Images

Installation Guide



*PoE power adapter 24V, 0.3A included with single unit purchases.

Mechanical

Dimensions	76.5 x 76.5 x 26.4 mm (3 x 3 x 1")
Weight	78 g (2.8 oz)
Enclosure material	Polycarbonate

Hardware

Networking interface	(1) SC/APC, ITU-G.984 GPON WAN port (1) 1/2.5 GbE RJ45 LAN port
Management interface	Ethernet in-band PON
Power method	PoE, 0.3A
Power supply	24V passive PoE 2-pair (4, 5+; 7, 8-)
Supported voltage range	20-28V DC
Max. power consumption	5W
Total non-blocking line rate	
Downstream	2.488 Gbps
Upstream	1.244 Gbps
Normal range of optical module	
TX	1.5 to 5 dBm
RX	-8 to -28 dBm
Mounting	Desktop, wall

Button	(1) Factory reset
Ambient operating temperature	-15 to 45° C (5 to 113° F)
Ambient operating humidity	10 to 90% noncondensing
Certifications	FCC, IC, CE

LEDs

PON status	(3) signal LEDs All-OFF: bootup 1x red: signal too low (< -28 db) 1x white: signal low (>= -28 db) 2x white: signal good (>= -25 db) 3x white: signal strong (>= -11 db) 1x red + 2x white: signal too strong (>= -8 db) 3x red: no signal LEDs alternate between red and a signal strength indicator: No authority
Ethernet	Steady white: link up Blinking white: activity OFF: link down
Power	White: ON

Software

Mode	ONU/ONT layer 2/3 Ethernet switch
Services	Web server, telnet, NAT, bridging and routing, firewall features, and application passthrough features
Utilities	Dashboard, monitoring, alarms, and logs
Security	GEM Port Encryption
Other	Remote reset, remote reboot, remote firmware upgrade, VLAN support

Fiber

Operating wavelength	
TX	1310 nm
RX	1490 nm
Line code	Scrambled NRZ
Optical interface nominal bit rate	
Downstream	2488.32 Mbit/s
Upstream	1244.16 Mbit/s
Physical reach	20 km

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