

UISP Fiber XG

SKU: UB-UF-XG



An optical network unit, that can deliver 2.5Gbps uplink / 10Gbps downlink speeds up to 20km. Equipped with (1) XGS-PON port and (1) 2.5GbE RJ45 LAN port and 24V PoE in for easy networking.

Note: This device is only compatible with the UISP Fiber XGS OLT. It cannot be used with third-party OLTs.

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Mechanical

Dimensions	100 x 100 x 27 mm (3.9 x 3.9 x 1.1")
Weight	220 g (0.49 lb)
Enclosure material	UV-stabilized polycarbonate

Hardware

Networking interface	(1) SC/APC, ITU-G.987 XGPON WAN port (1) 100/1,000/2,500 MbE RJ45 LAN ports
Management interface	Ethernet in-band PON
PoE interface	(1) PoE in, 24V DC passive PoE
Memory	256 MB DDR
Onboard flash storage	32 MB NOR
Max. power consumption	6W
Power method	USB-C 5V DC, 3A 24V DC passive PoE
Power supply	5V DC, 3A power adapter Passive PoE 2-pair (4, 5+; 7, 8-)
Supported voltage range	5V DC adapter 10–30V DC passive PoE
Total non-blocking line rate	Downstream: 9.95 Gbit/s Upstream: 2.44 Gbit/s
Normal TX range of optical module	2 to 7dBm
Normal RX range of optical module	-9 to -27dBm
Button	(1) Factory reset
Operating temperature	-15 to 45° C (5 to 113° F)
Operating humidity	10 to 95% non-condensing
Certifications	CE, FCC, IC

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Fiber

Operating wavelength

TX: 1,270nm

RX: 1,577nm

Line code

Scrambled NRZ

Physical reach

20 km

LEDs

Power

White: ON

Ethernet

Steady white: link up

Blinking white: activity

OFF: link down

PON status

(3) signal LEDs

All-OFF: bootup

1x orange: signal too low (< -27 dbm)

1x white: signal low (\geq -27 dbm)

2x white: signal good (\geq -24 dbm)

3x white: signal strong (\geq -12 dbm)

1x orange + 2x white: signal too strong (\geq -9 dbm)

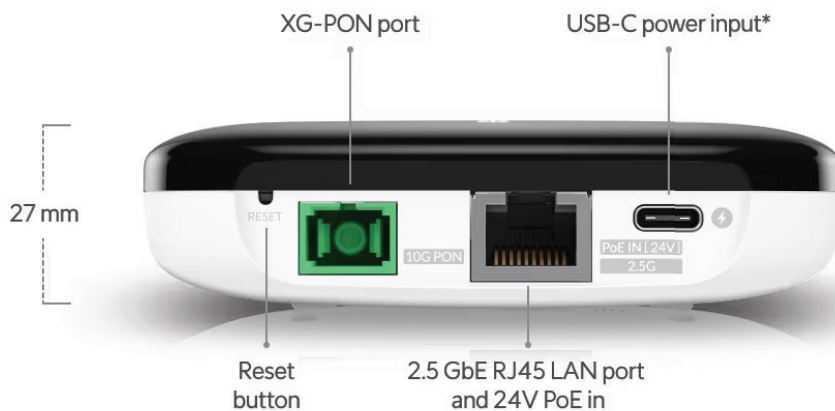
3x orange: no signal

LEDs alternate between orange + white + orange

and a signal strength indicator: no authority

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*USB-C 5V DC, 3A adapter included.