

UISP Fiber XGS

SKU: UB-UF-XGS



An optical network unit, that can deliver 10Gbps uplink/downlink speeds up to 20km. Equipped with (1) XGS-PON port and (1) 10Gbe RJ45 LAN port 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.9807 XGSPON WAN port (1) 100/1,000/2,500/5,000/10,000 MbE RJ45 LAN ports
Management interface	Ethernet in-band PON
Memory	256 MB DDR
Onboard flash storage	32 MB NOR
Max. power consumption	8W
Power method	USB-C 5V DC, 3A
Power supply	5V DC, 3A power adapter
Supported voltage range	5V DC power adapter
Total non-blocking line rate	Downstream: 9.95 Gbit/s Upstream: 9.95 Gbit/s
Normal TX range of optical module	4 to 9dBm
Normal RX range of optical module	-9 to -26dBm
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 (>= -27 dbm)

2x white: signal good (>= -24 dbm)

3x white: signal strong (>= -12 dbm)

1x orange + 2x white: signal too strong (>= -9 dbm)

3x orange: no signal

LEDs alternate between orange + white + orange

and a signal strength indicator: no authority

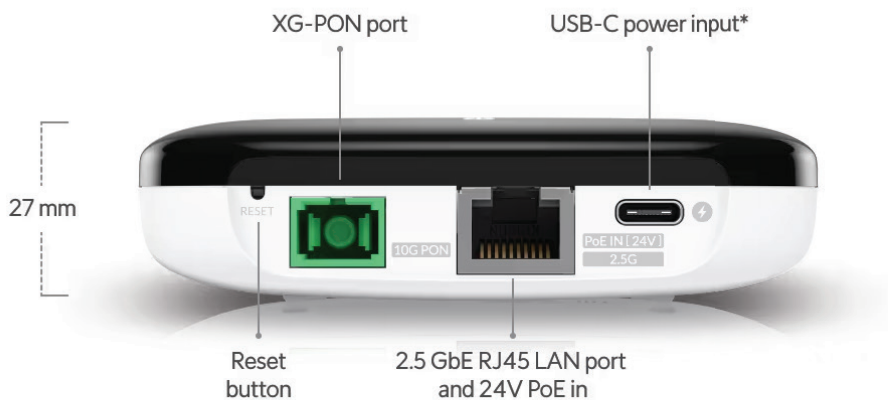
Software

Management application

UISP: Version 1.5.7 and later

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