

UISP Fiber XG-PON CPE



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

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