

Tech Specs

UniFi UISP Branding

UniFi Cloud Gateways

WiFi

Switching

Cloud Keys & Gateways

Camera Security

Door Access

Phone System

New Integrations

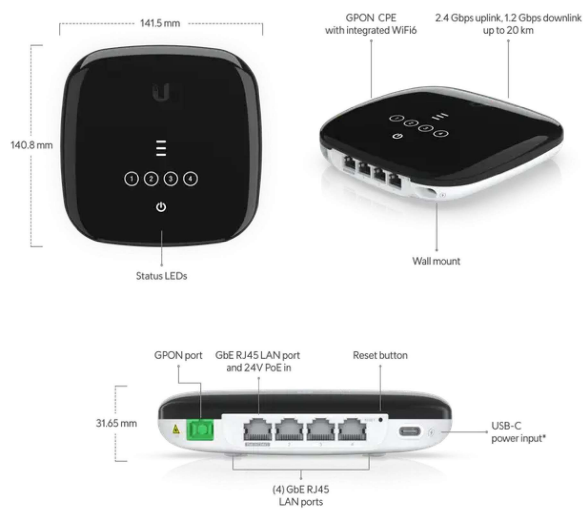
Accessories

UFiber WiFi6

Datasheet

Installation Guide

Marketing Images



*USB-C 5V DC, 3A adapter, 1.5 m cord included.

Mechanical

Dimensions	140.8 x 141.5 x 31.65 mm (5.54 x 5.57 x 1.25")
Weight	415 g (0.99 lb)
Enclosure material	UV-stabilized polycarbonate

Hardware

Processor	Dual-core MIPS 1004 Kc at 900 MHz
Memory	256 MB RAM
Total non-blocking line rate	2.488 Gbps downstream 1.244 Gbps upstream
Networking interfaces	(1) SC/APC, ITU-G.984 GPON WAN port (4) GbE RJ45 LAN ports
PoE interface	WiFi 802.11ax 5/2.4 GHz channels (1) PoE in, 24V passive PoE
Management interface	Ethernet in-band PON
Button	Factory-reset

Max. power consumption	11W
Power method	USB-C 5VDC, 3A 24V passive PoE, 0.5A
Power supply	5VDC, 3A power adapter, 1.5 m cord (included) Passive PoE 2-pair (4, 5+; 7, 8-)
Supported voltage range	10 to 30VDC passive PoE 5VDC adapter
Normal TX range of optical module	0.5 to 5 dBm
Normal RX range of optical module	-8 to -28 dBm
Max. WiFi TX power	
2.4 Ghz	20 dBm
5 Ghz	20 dBm
MIMO	
2.4 Ghz	2 x 2
5 Ghz	2 x 2
Max. WiFi radio rate	
2.4 Ghz	300 Mbps
5 Ghz	1.2 Gbps
Antenna Gain	
2.4 GHz	1 dBi
5 GHz	3 dBi
Operating temperature	-15 to 45° C (5 to 113° F)
Operating humidity	10 to 90% noncondensing
Certifications	FCC, IC, CE

LEDs

PON status	(3) signal LEDs All-OFF: bootup 1x orange: signal too low (< -28 db) 1x white: signal low (>= -28 db) 2x white: signal good (>= -25 db) 3x white: signal strong (>= -11 db) 1x orange + 2x white: signal too strong (>= -8 db) 3x orange: no signal LEDs alternate between orange + white + orange 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
Other	Remote reset, remote reboot, remote firmware upgrade, VLAN support
Security	GEM Port Encryption
Ubiquiti specific features	UISP Mobile App
WiFi standards	802.11 b/g WiFi 4/WiFi 5/WiFi 6
Wireless security	WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3, TKIP/AES)

Fiber

Operating wavelength	1310 nm TX/1490 nm RX
Optical interface downstream nominal bit rate	2488.32 Mbit/s
Optical interface upstream nominal bit rate	1244.16 Mbit/s
Physical reach	20 km

Supported Data Rates

802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n (WiFi 4)	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 866.7 Mbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80)
802.11ax (WiFi 6)	8.6 Mbps to 1.2 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80)

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