

UniFi U7 Long-Range (U7-LR) – Datasheet



Mechanical Specifications

Dimensions	Ø175.7 x 43 mm (Ø6.9 x 1.7")
Weight	448 g (15.8 oz)
Enclosure Material	Polycarbonate, aluminum alloy
Mount Material	Polycarbonate, galvanized steel (SGCC)
Mounting Options	Ceiling, Wall (Plastic Mounting Plate included)

Hardware Specifications

Networking Interface	(1) 2.5 GbE RJ45 port
Management Interface	Ethernet
Power Method	PoE
Supported Voltage Range	42.5–57V DC
Max. Power Consumption	14W
LED Indicators	System: White/Blue

Wireless Specifications

WiFi Standards	802.11a/b/g/n/ac/ax/be (WiFi 7)
MIMO Configuration	2.4 GHz: 2x2 DL/UL MU-MIMO; 5 GHz: 3x3 DL/UL MU-MIMO

Max. Data Rate	2.4 GHz: 688 Mbps (BW40); 5 GHz: 4.3 Gbps (BW160)
Antenna Gain	2.4 GHz: 4 dBi; 5 GHz: 6 dBi
Max. TX Power	2.4 GHz: 26 dBm; 5 GHz: 27 dBm
Channel Bandwidths	HT/VHT/HE/EHT 20/40/80/160 MHz
Supported Data Rates	802.11n/ac/ax/be: up to 4.3 Gbps depending on MCS and bandwidth

Software Features

Wireless Meshing	Yes
Band Steering	Yes
802.11v BSS Transition Management	Yes
802.11r Fast Roaming	Yes
802.11k RRM	Yes
Advanced Radio Management	Yes
Passpoint (Hotspot 2.0)	Yes
Captive Hotspot Portal	Yes
Guest Network Isolation	Yes
PPSK	Yes
WiFi Speed Limiting	Yes
Client Device Isolation	Yes
WiFi Schedules	Yes
RadSec (RADIUS over TLS)	Yes
Dynamic VLAN Assignment	Yes

Environmental Specifications

Operating Temperature	-30 to 50° C (-22 to 122° F)
Operating Humidity	5 to 95% noncondensing
Certifications	CE, FCC, IC
NDAA Compliant	Yes

In the Box

Included Items	UniFi U7 Long-Range Access Point, Plastic Mounting Plate
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