

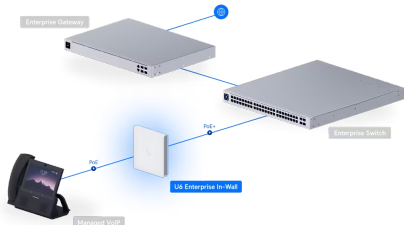
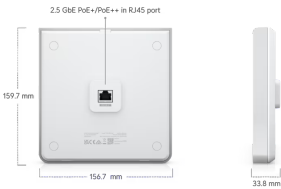
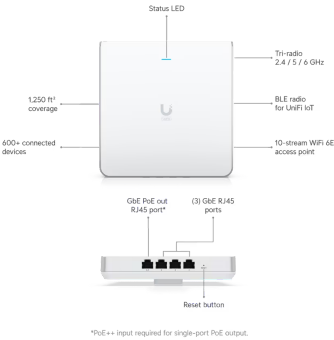
UniFi UISP Branding

Q u6-enterpri

Switching WiFi Camera Security Door Access Integrations Advanced Hosting

Wall > U6 Enterprise In-Wall

Datasheet In The Box Marketing Images Installation Guide



Overview

Dimensions	159.7 x 156.7 x 33.8 mm (6.3 x 6.2 x 1.3")
WiFi Standard	WiFi 6E
Spatial Streams	10
Coverage Area	115 m ² (1,250 ft ²)
Max. Client Count	600+
Uplink	2.5 GbE
Mounting	Wall (Mount Included)
Power Method	PoE+ PoE++ (Required for PoE output)

Performance

MIMO

6 GHz	4 x 4 (DL/UL MU-MIMO)
5 GHz	4 x 4 (DL/UL MU-MIMO)
2.4 GHz	2 x 2 (DL/UL MU-MIMO)
Max. Data Rate	
6 GHz	4.8 Gbps (BW160)
5 GHz	4.8 Gbps (BW160)
2.4 GHz	573.5 Mbps (BW40)
Antenna Gain	
6 GHz	5.8 dBi
5 GHz	5.8 dBi
2.4 GHz	4 dBi
Max. TX Power	
6 GHz	26 dBm
5 GHz	26 dBm
2.4 GHz	22 dBm
Max. BSSIDs	8 per Radio
Supported Data Rates	
802.11ax (WiFi 6/6E)	7.3 Mbps to 4.8 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 3.4 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/160)
802.11n	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)

^ Features

Wireless Meshing	✓
Band Steering	✓
802.11v BSS Transition Management	✓
802.11r Fast Roaming	✓
802.11k Radio Resource Management (RRM)	✓
Advanced Radio Management	✓

Passpoint (Hotspot 2.0)	✓
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Captive Hotspot Portal

Custom Branding Landing Page	✓
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Voucher Authentication	✓
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Payment-Based Authentication	✓
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External Portal Server Support	✓
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Password Authentication	✓
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Guest Network Isolation	✓
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Private Pre-Shared Key (PPSK)	✓
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WiFi Speed Limiting	✓
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Client Device Isolation	✓
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WiFi Schedules	✓
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RADIUS over TLS (RadSec)	✓
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Dynamic RADIUS-assigned VLAN	✓
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^ Hardware

Max. Power Consumption	21W (Excluding PoE output)
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Supported Voltage Range	44—57V DC
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Networking Interface	(1) Data in: 1/2.5 GbE RJ45 port (4) Data out: GbE RJ45 ports
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Weight	884 g (1.9 lb)
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Management	Ethernet Bluetooth
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Built-In Switch	(4) GbE ports with (1) PoE output
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Enclosure Material	Polycarbonate, aluminum
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Mount Material	Aluminum
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LEDs

System	White/Blue
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Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160 (MHz)
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Certifications	CE, FCC, IC
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NDAA Compliant	✓
Operating Frequency	US/CA: 2400 - 2472 MHz U-NII-1: 5150 - 5250 MHz U-NII-2A: 5250 - 5350 MHz U-NII-2C: 5470 - 5725 MHz U-NII-3: 5725 - 5850 MHz U-NII-5 to U-NII-8 : 5925 - 7125 MHz Worldwide: 2400 - 2483.5 MHz 5150 - 5725 MHz 5925 - 7125 MHz
Ambient Operating Temperature	-30 to 60° C (-22 to 140° F)
Ambient Operating Humidity	5 to 95% noncondensing

^ **Software**

Application Requirements

UniFi Network	Version 6.0.45 and later
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