

Data Sheet – Ubiquiti UniFi Enterprise 7 (E7)

Overview

Eigenschaft	Wert
Dimensions	250 x 250 x 43.5 mm (9.8 x 9.8 x 1.7")
WiFi Standard	WiFi 7
Spatial Streams	10
Coverage Area	185 m ² (2,000 ft ²)
Max. Client Count	1000+
Uplink	10 GbE + 1 GbE
Mounting	Ceiling, Wall, VESA (Pro Mount Included)
Power Method	PoE++

Performance

Eigenschaft	Wert
6 GHz	4 x 4 (DL/UL MU-MIMO), 11.5 Gbps (BW320)
5 GHz	4 x 4 (DL/UL MU-MIMO), 8.6 Gbps (BW240)
2.4 GHz	2 x 2 (DL/UL MU-MIMO), 688 Mbps (BW40)
Antenna Gain	6 GHz: 6 dBi, 5 GHz: 6 dBi, 2.4 GHz: 5 dBi
Max. TX Power	6 GHz: 24/30 dBm, 5 GHz: 30 dBm, 2.4 GHz: 23 dBm
Max. BSSIDs	8 per Radio
Supported Data Rates	WiFi 7: bis 11.4 Gbps, WiFi 6: bis 4.8 Gbps, WiFi 5: bis 3.4 Gbps, WiFi 4: bis 600 Mbps

Features

Eigenschaft	Wert
Wireless Meshing	✓
Band Steering	✓
802.11v BSS Transition Management	✓
802.11r Fast Roaming	✓
802.11k Radio Resource Management (RRM)	✓
Advanced Radio Management	✓
Real-Time Spectral Analysis	✓
Passpoint (Hotspot 2.0)	✓
Captive Hotspot Portal	✓
Voucher & Payment Authentication	✓
External Portal Server Support	✓
Guest Network Isolation	✓
Private Pre-Shared Key (PPSK)	✓
WiFi Speed Limiting	✓
Client Device Isolation	✓
WiFi Schedules	✓
RADIUS over TLS (RadSec)	✓
Dynamic RADIUS-assigned VLAN	✓

Hardware

Eigenschaft	Wert
Max. Power Consumption	43W
Supported Voltage Range	42.5—57V DC
Networking Interface	(1) 10 GbE RJ45 port, (1) 1 GbE RJ45 port
Weight	1.8 kg (4 lb)
Management	Ethernet
Enclosure Material	UV-stabilized polycarbonate, aluminum alloy
Mount Material	Stainless steel (SUS304), galvanized steel (SGCC)
LEDs	System: R/G/B
Channel Bandwidth	HT 20/40, VHT 20/40/80/160, HE 20/40/80/160, EHT 20/40/80/160/240/320 (MHz)
NDAA Compliant	✓
Certifications	CE, FCC, IC, Anatel

Environmental

Eigenschaft	Wert
Operating Frequency	2.4 GHz / 5 GHz / 6 GHz
Ambient Operating Temperature	-30 to 50° C (-22 to 122° F)
Ambient Operating Humidity	5 to 95% noncondensing

Software

Eigenschaft	Wert
Application Requirements	UniFi Network Version 9.2.87 and later
Mobile App	iOS 10.24.1+ / Android 10.25.2+