



Cloud Gateways / Wi-Fi

UniFi Express 7



Overview

Dimensions	117 x 117 x 42.5 mm (4.61 x 4.61 x 1.67")
UniFi Application Suite	
└ Network	Yes
Managed UniFi Devices	30
Simultaneous Users Connected	300
Default WAN Ports	(1) 10 GbE RJ45
LAN Ports	(1) 2.5 GbE RJ45
IDS/IPS Throughput	2.3 Gbps
Form Factor	Compact desktop

Security

Stateful Firewall	Yes
Application-Aware Layer 7 Firewall	Yes
DPI & Traffic Identification	Yes
Zone-Based Firewall Advanced Filtering (Regions, Domains, Apps)	Yes
Content Filtering	Yes
Intrusion Prevention (IPS/IDS)	Yes
Ad Blocking	Yes
IDS/IPS Signatures	20,000+ with CyberSecure
VLAN/Subnet-based Traffic Segmentation	Yes

VPN & SD-WAN

License-Free SD-WAN	Yes
Site-to-Site VPN	
Site Magic	Yes
IPsec	Yes
OpenVPN	Yes
VPN Server	
Identity Endpoint One-Click VPN	Yes
Teleport Zero-Configuration VPN	Yes
WireGuard	Yes
OpenVPN	Yes
L2TP	Yes
VPN Client	
OpenVPN	Yes
WireGuard	Yes

Networking

Dynamic Routing

└ OSPF Yes

Advanced QoS Yes

Multicast DNS (mDNS) Yes

Advanced NAT (SNAT / DNAT / Masquerade / NAT Pooling / 1-to-1 NAT) Yes

Integrated RADIUS Server Yes

RADIUS over TLS (RadSec) Yes

Additional Internet Failover with UniFi LTE Backup Yes

Internet Quality and Outage Reporting Yes

Policy-based WAN and VPN Routing Yes

Customizable DHCP Server Yes

IPv6 ISP Support Yes

IGMP Proxy Yes

Integrated WiFi

WiFi Standard	802.11a/b/g/n/ac/ax/be (WiFi 6/6E, WiFi 7)
Throughput	
6 GHz	5.7 Gbps
5 GHz	4.3 Gbps
2.4 GHz	688 Mbps
MIMO	
6 GHz	2 x 2 (DL/UL MU-MIMO)
5 GHz	2 x 2 (DL/UL MU-MIMO)
2.4 GHz	2 x 2 (DL/UL MU-MIMO)
Antenna Gain	
6 GHz	6 dBi
5 GHz	7 dBi
2.4 GHz	4 dBi
Wireless Security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK)
Max. BSSIDs	4 per Radio (Gateway Mode) 4 per Radio (AP Mode)
Supported Data Rates	
802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11ax (WiFi 6/6E)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11be (WiFi 7)	7.3 Mbps to 5.7 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240/320)

Hardware

Max. Power Consumption	22W
Power Method	USB type C (5V DC/5A)
Power Supply	USB type C (5V DC/5A) (Adapter included)
Max. TX Power	
└ 6 GHz	24 dBm
└ 5 GHz	26 dBm
└ 2.4 GHz	23 dBm
Supported Voltage Range	100-240V AC
Processor	Quad-core ARM® Cortex®-A53 at 1.5 GHz
System Memory	3 GB
Weight	422 g (14.9 oz)
Enclosure Material	Polycarbonate
LCM Display	0.96" status display
Management	Ethernet Bluetooth
LEDs	
└ Ethernet	Yes
ESD/EMP Protection	Air: ± 8kV, contact: ± 4kV
Ambient Operating Temperature	-10 to 40° C (14 to 104° F)
Ambient Operating Humidity	5 to 95% noncondensing
Certifications	CE, FCC, IC
Button	(1) Factory-reset

Software

VLAN	802.1Q
Guest Traffic Isolation	Yes
Application Requirements	
└ UniFi Network	Version 9.0.108 and later

