

UniFi Express 7

UX7

Datasheet

In The Box

Marketing Images

Accessories

Installation Guide



^ Overview

Dimensions	117 x 117 x 42.5 mm (4.61 x 4.61 x 1.67")
UniFi Application Suite	
Network ⓘ	✓
Managed UniFi Devices	30+
Simultaneous Users Connected	300+
Max. WAN Port Count	1
Default WAN Ports	(1) 10 GbE RJ45
Port Layout	
2.5 GbE RJ45	1 (2.5G/1G/100M/10M)
10 GbE RJ45	1 (10G/5G/2.5G/1G/100M)
IDS/IPS Throughput	2.3 Gbps
Form Factor	Compact desktop
Coverage Area	160 m² (1,750 ft²)

^ Security

Stateful Firewall	✓
Application-Aware Layer 7 Firewall	✓

DPI & Traffic Identification	✓
Zone-Based Firewall Advanced Filtering (Regions, Domains, Apps)	✓
Content Filtering	✓
Intrusion Prevention (IPS/IDS)	✓
Ad Blocking	✓
IDS/IPS Signatures	20,000+ with CyberSecure
VLAN/Subnet-based Traffic Segmentation	✓
^ VPN & SD-WAN	
License-Free SD-WAN	✓
Site-to-Site VPN	
Site Magic	✓
IPsec	✓
OpenVPN	✓
VPN Server	
Identity Endpoint One-Click VPN	✓
Teleport Zero-Configuration VPN	✓
WireGuard	✓
OpenVPN	✓
L2TP	✓
VPN Client	
OpenVPN	✓
WireGuard	✓
^ Networking	
Dynamic Routing	
OSPF	✓
Advanced QoS	✓
Multicast DNS (mDNS)	✓

Advanced NAT (SNAT / DNAT / Masquerade / NAT Pooling / 1-to-1 NAT)	✓
Integrated RADIUS Server	✓
RADIUS over TLS (RadSec)	✓
Additional Internet Failover with UniFi LTE Backup	✓
Internet Quality and Outage Reporting	✓
Policy-based WAN and VPN Routing	✓
Customizable DHCP Server	✓
IPv6 ISP Support	✓
IGMP Proxy	✓
Virtual Network Override	✓

^ **Integrated WiFi**

WiFi Standard	802.11a/b/g/n/ac/ax/be (WiFi 6/6E, WiFi 7)
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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

Max. TX Power

6 GHz	24 dBm
5 GHz	26 dBm
2.4 GHz	23 dBm

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	
802.11be (WiFi 7)	7.3 Mbps to 5.7 Gbps (MCS0 - MCS13 NSS1/2, EHT 20/40/80/160/240/320)
802.11ax (WiFi 6/6E)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2, HE 20/40/80/160)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2, VHT 20/40/80/160)
802.11n	6.5 Mbps to 300 Mbps (MCS0 - MCS15, HT 20/40)
802.11g	6, 9, 12, 18, 24, 36, 48, 54 Mbps
802.11b	1, 2, 5.5, 11 Mbps
802.11a	6, 9, 12, 18, 24, 36, 48, 54 Mbps
^ Hardware	
Max. Power Consumption	22W
Power Method	USB type C (5V DC/5A)
Power Supply	USB type C (5V DC/5A) (Adapter included)
Supported Voltage Range	100–240V AC
Heat Dissipation	75 BTU/hr
Processor	Quad-core ARM® Cortex®-A53 at 1.5 GHz
System Memory	3 GB
Weight	443 g (1 lb)
Enclosure Material	Polycarbonate
LCM Display	0.96" status display
Management	Ethernet Bluetooth
LEDs	
Ethernet	✓
Button	(1) Factory reset

ESD/EMP Protection	Air: $\pm 8\text{kV}$, contact: $\pm 4\text{kV}$
Ambient Operating Temperature	-10 to 40° C (14 to 104° F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	✓
Certifications	CE, FCC, IC, Anatel: 06656-25-08356

^ **Software**

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