

Product:

UX7

Overview

Dimensions	117 x 117 x 42.5 mm (4.61 x 4.61 x 1.67")
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
Coverage Area	160 m ² (1,750 ft ²)
UniFi Application Suite	
Network	✓

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

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	✓
Dynamic Routing	
OSPF	✓

Integrated WiFi

WiFi Standard	802.11a/b/g/n/ac/ax/be (WiFi 6/6E, WiFi 7)
Wireless Security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK)
Max. BSSIDs	4 per Radio (Gateway Mode) 4 per Radio (AP Mode)
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

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)
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
Button	(1) Factory-reset

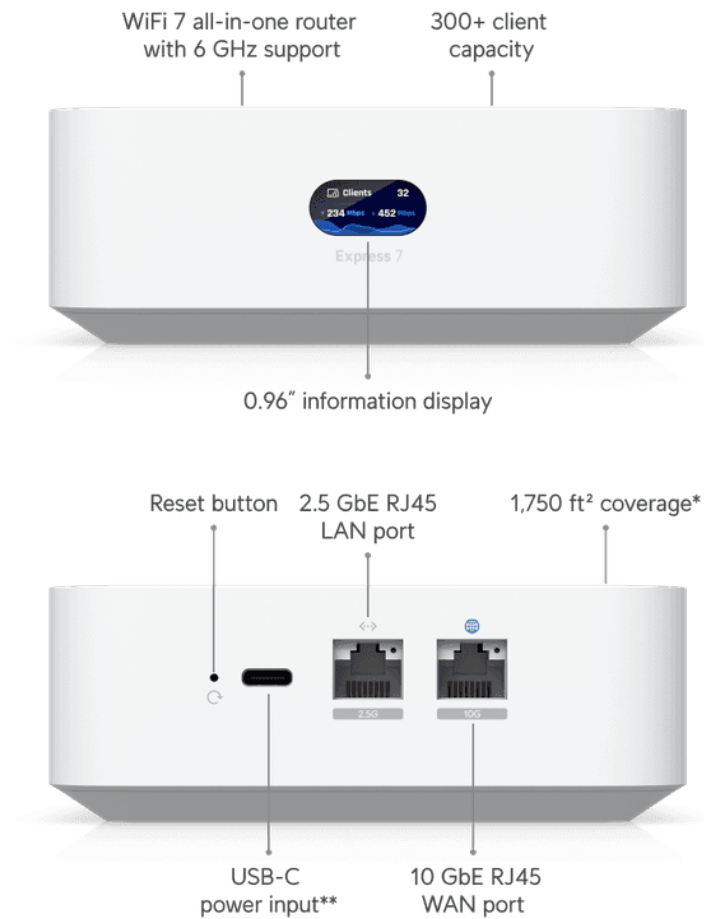
ESD/EMP Protection	Air: $\pm 8\text{kV}$, contact: $\pm 4\text{kV}$
Ambient Operating Temperature	-10 to 40° C (14 to 104° F)
Ambient Operating Humidity	5 to 95% noncondensing
Certifications	CE, FCC, IC
NDA A Compliant	✓
LEDs	
Ethernet	✓

Software

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



Datasheet



*1,750 ft² coverage for single unit, 3,500-5,250 ft² mesh mesh with 2-3 units.

**5V DC, 5A USB-C adapter included.

