

UniFi UISP Branding

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Switching WiFi Camera Security Door Access Integrations Advanced Hosting

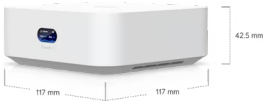
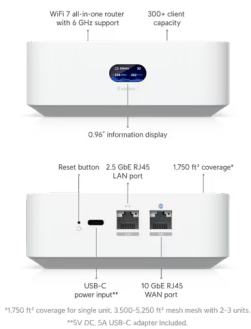
WiFi Integrated > UniFi Express 7

Datasheet

In The Box

Marketing Images

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
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)

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	✓

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UniFi Express 7 - Tech Specs

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	✓
^ 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	✓
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	✓
Application Requirements	
UniFi Network	Version 9.0.108 and later

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