

Product:

UDR7

Overview

Dimensions	Ø110 x 184.1 mm (Ø4.3 x 7.3")
Managed UniFi Devices	30+
Managed Cameras	(5) HD (2) 2K (1) 4K
Simultaneous Users Connected	300+
Default WAN Ports	(1) 10G SFP+ (1) 2.5 GbE RJ45
LAN Ports	(3) 2.5 GbE RJ45 including (1) PoE
IDS/IPS Throughput	2.3 Gbps
Form Factor	Compact desktop
Coverage Area	160 m ² (1,750 ft ²)
UniFi Application Suite	
Network	✓
Protect	✓
Access	✓
Talk	✓
Connect	✓

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

Multi-WAN Load Balancing	✓
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	✓
MAC Address Table Size	2,000
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
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	5 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 600 Mbps (MCS0 - MCS31, HT 20/40)
802.11ac (WiFi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, 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

NVR Storage	Pre-installed 64GB microSD for NVR
Expansion Slot	MicroSD Card
PoE Budget	15.4W
Voltage Range PoE Mode	44-57V
Max. Power Consumption	26W (Excluding PoE output)

Power Method	Universal AC input, 100-240VAC, 1.5A Max, 50/60 Hz
Power Supply	AC/DC, Internal, 50W
Supported Voltage Range	100-240V AC
Processor	Quad-core ARM® Cortex®-A53 at 1.5 GHz
System Memory	3 GB
Weight	1.1 kg (2.4 lb)
Enclosure Material	Polycarbonate
LCM Display	0.96" status display
Management	Ethernet Bluetooth
Button	(1) Factory-reset
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
NDAA Compliant	✓
Max. PoE Wattage per Port by PSE	
PoE	15.4W
LEDs	
System	✓

Software

VLAN	802.1Q
Guest Traffic Isolation	✓

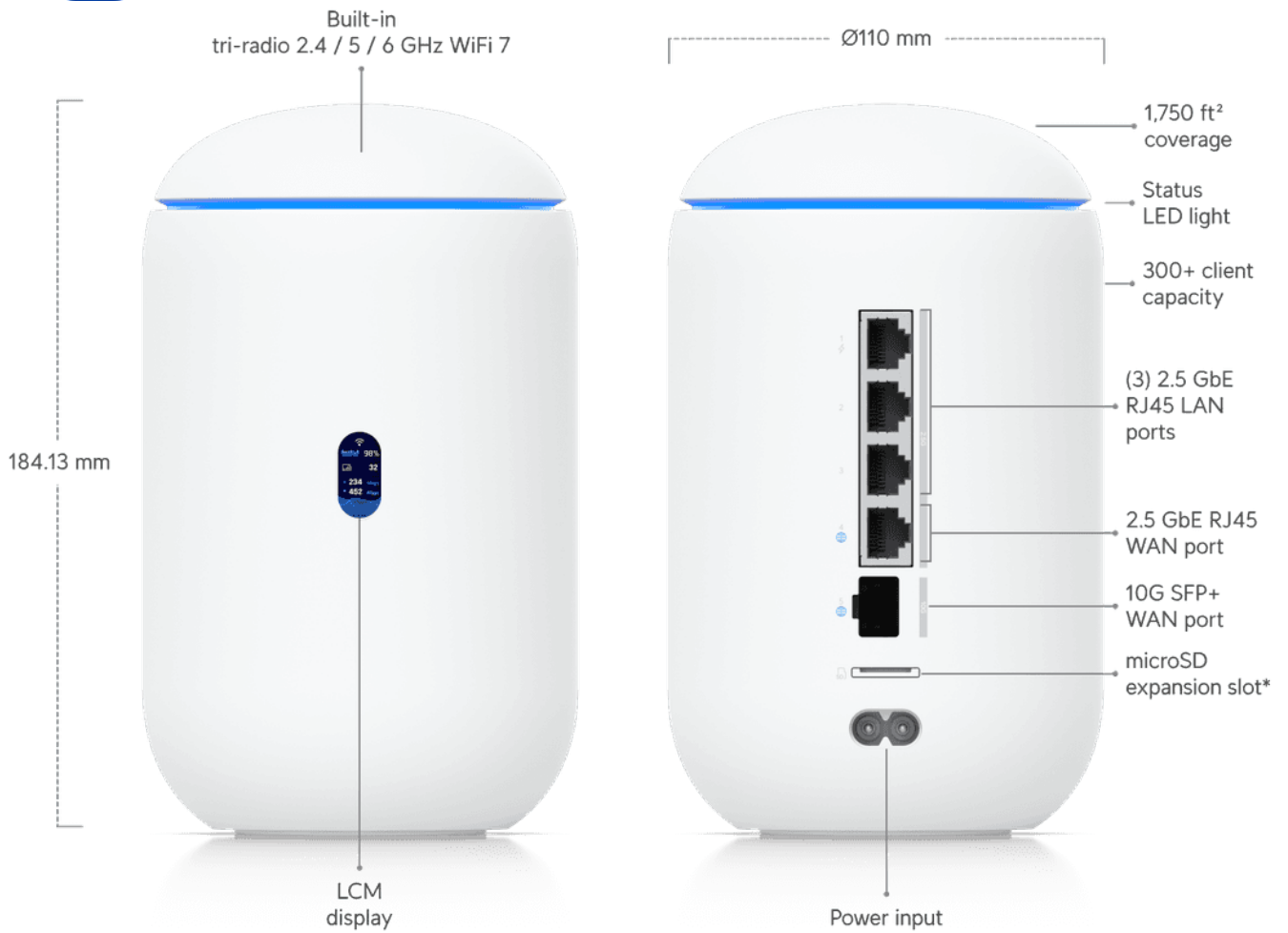
Application Requirements

UniFi Network

Version 9.0.108 and later



Datasheet



*64 GB pre-installed microSD.

