UDR7

Overview

Dimensions	⌀110 x 184.1 mm (⌀4.3 x 7.3")
UniFi Application Suite	
Network	✓
Protect	✓
Access	✓
Talk	✓
Connect	✓
Managed UniFi Devices	30+
Managed Cameras	(5) HD (2) 2K (1) 4K
Simultaneous Users Connected	300+
Max. WAN Port Count	4
Default WAN Ports	(1) 10G SFP+ (1) 2.5 GbE RJ45
Port Layout	
2.5 GbE RJ45	4 (1 PoE) (2.5G/1G/100M/10M)
10G SFP+	1 (10G/1G)
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

Multi-WAN Load Balancing	✓
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	✓
MAC Address Table Size	2,000
Policy-based WAN and VPN Routing	✓
Customizable DHCP Server	✓
IPv6 ISP Support	✓

IGMP Proxy	✓
Virtual Network Override	✓
All Traffic Flows	—

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	5 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
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

NVR Storage	Pre-installed 64GB microSD for NVR
Expansion Slot	MicroSD Card
PoE Budget	15.4W
Max. PoE Wattage per Port by PSE	
PoE	15.4W
Voltage Range PoE Mode	44-57V
Max. Power Consumption	26W (Excluding PoE output)
Power Method	Universal AC input, 100–240V AC, 1.5A Max, 50/60 Hz

Power Supply	AC/DC, Internal, 50W
Supported Voltage Range	100–240V AC
Heat Dissipation	89 BTU/hr (Excluding PoE Output)
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
LEDs	
System	✓
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
NDAA Compliant	✓
Certifications	CE, FCC, IC, Anatel: 05650-25-08356

Software

VLAN	802.1Q
Guest Traffic Isolation	✓
Application Requirements	

UniFi Network Version 9.0.108 and later