

Dream Router 7

UDR7

Overview

Dimensions

Ø110 x 184.1 mm (Ø4.3 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+

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

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

✓

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

Wireless Security

WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3/PPSK)

Max. BSSIDs

4 per Radio

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

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, 100-240VAC, 1.5A Max, 50/60 Hz

Power Supply

AC/DC, Internal, 50W

Max. TX Power

6 GHz

23 dBm

5 GHz

26 dBm

2.4 GHz

22 dBm

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

LEDs

System

✓

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

Button

(1) Factory-reset

Software

VLAN

802.1Q

Guest Traffic Isolation

✓

Application Requirements

UniFi Network

Version 9.0.108 and later