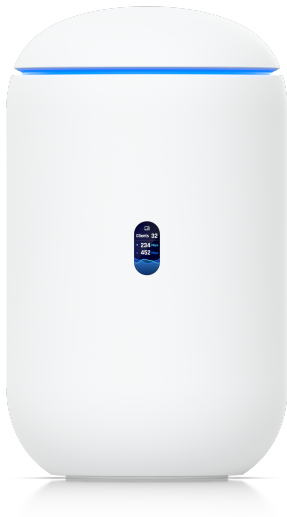


UniFi Dream Router 7

UDR7

Compact all-in-one UniFi Cloud Gateway with tri-band WiFi 7, integrated switching, PoE, and NVR storage.



WiFi 7	2.3 Gbps	300+
Tri-band integrated wireless	IDS/IPS throughput	Simultaneous users
10G SFP+	30+	160 m ²
High-speed WAN option	Managed UniFi devices	Coverage area

Highlights

Integrated UniFi platform	Flexible WAN connectivity	Built-in NVR storage
Runs Network, Protect, Access, Talk, and Connect applications in one compact desktop gateway.	Default WAN ports include one 10G SFP+ and one 2.5 GbE RJ45; up to four WAN ports are supported.	Includes a pre-installed 64 GB microSD card, with a microSD expansion slot for local video storage.

Core specifications

Dimensions	Dia. 110 x 184.1 mm (4.3 x 7.3 in)
Form factor	Compact desktop
Ethernet ports	(4) 2.5 GbE RJ45, including (1) PoE
SFP+	(1) 10G SFP+ (10G/1G)
PoE budget	15.4 W
System memory	3 GB
Processor	Quad-core ARM Cortex-A53 at 1.5 GHz
Power	Universal AC input; internal 50 W AC/DC supply

Networking and Security

Routing, firewall, VPN, SD-WAN, and network services supported by the UDR7.

Capacity and interfaces	
Managed UniFi Devices	30+
Managed Cameras	(5) HD, (2) 2K, or (1) 4K
Simultaneous Users Connected	300+
Max. WAN Port Count	4
Default WAN Ports	(1) 10G SFP+; (1) 2.5 GbE RJ45
IDS/IPS Throughput	2.3 Gbps
MAC Address Table Size	2,000
Security	
Stateful Firewall	Supported
Application-Aware Layer 7 Firewall	Supported
DPI & Traffic Identification	Supported
Zone-Based Firewall Advanced Filtering	Regions, domains, and applications
Content Filtering	Supported
Intrusion Prevention (IPS/IDS)	Supported
Ad Blocking	Supported
IDS/IPS Signatures	20,000+ with CyberSecure
VLAN/Subnet-based Traffic Segmentation	Supported
VPN and SD-WAN	
License-Free SD-WAN	Supported
Site-to-Site VPN	Site Magic, IPsec, OpenVPN
VPN Server	Identity Endpoint One-Click VPN, Teleport, WireGuard, OpenVPN, L2TP
VPN Client	OpenVPN, WireGuard
Networking features	
Multi-WAN Load Balancing	Supported
Dynamic Routing	OSPF
Advanced QoS	Supported
Multicast DNS (mDNS)	Supported
Advanced NAT	SNAT, DNAT, Masquerade, NAT Pooling, 1-to-1 NAT
Integrated RADIUS Server	Supported
RADIUS over TLS (RadSec)	Supported
Additional Internet Failover	UniFi LTE Backup
Internet Quality and Outage Reporting	Supported
Policy-based WAN and VPN Routing	Supported
Customizable DHCP Server	Supported
IPv6 ISP Support	Supported
IGMP Proxy	Supported
Virtual Network Override	Supported

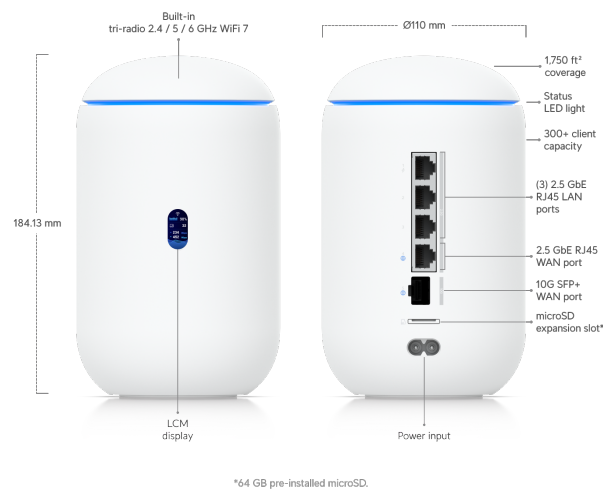
Integrated WiFi 7

Tri-band wireless with 2 x 2 MIMO across 2.4, 5, and 6 GHz bands.

Radio specifications	
WiFi Standard	802.11a/b/g/n/ac/ax/be (WiFi 6/6E, WiFi 7)
6 GHz Throughput	5.7 Gbps
5 GHz Throughput	4.3 Gbps
2.4 GHz Throughput	688 Mbps
6 GHz MIMO	2 x 2 (DL/UL MU-MIMO)
5 GHz MIMO	2 x 2 (DL/UL MU-MIMO)
2.4 GHz MIMO	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

Physical layout



Hardware, Power and Compliance

Mechanical, environmental, management, and software requirements.

Hardware	
NVR Storage	Pre-installed 64 GB microSD for NVR
Expansion Slot	microSD card
PoE Budget	15.4 W
Max. PoE Wattage per Port by PSE	PoE: 15.4 W
Voltage Range PoE Mode	44-57 V
Max. Power Consumption	26 W (excluding PoE output)
Power Method	Universal AC input, 100-240 V AC, 1.5 A max, 50/60 Hz
Power Supply	AC/DC, internal, 50 W
Supported Voltage Range	100-240 V 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 in status display
Management	Ethernet, Bluetooth
LEDs	System
Button	(1) Factory reset
Environmental and compliance	
ESD/EMP Protection	Air: +/- 8 kV; contact: +/- 4 kV
Ambient Operating Temperature	-10 to 40 deg C (14 to 104 deg F)
Ambient Operating Humidity	5 to 95% noncondensing
NDAA Compliant	Yes
Certifications	CE, FCC, IC, Anatel: 05650-25-08356
Software	
VLAN	802.1Q
Guest Traffic Isolation	Supported
UniFi Network Requirement	Version 9.0.108 and later

Reference

Official technical specifications: <https://techspecs.ui.com/unifi/cloud-gateways/udr7>

Specifications are reproduced as a convenient PDF summary. Product specifications may change; verify against the current Ubiquiti page before procurement or deployment.