



UniFi UISP Branding

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Switching

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Physical Security

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Integrations

Advanced Hosting

WiFi Integrated > Dream Router 7



Dream Router 7

UDR7

Datasheet

In The Box

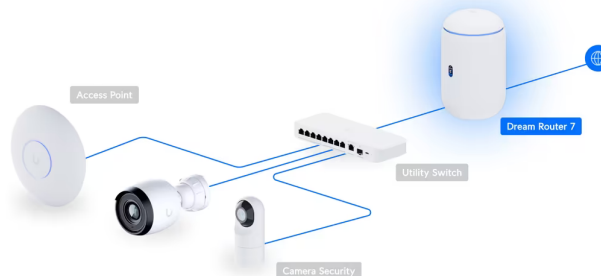
Marketing Images

Accessories

Installation Guide



*64 GB pre-installed microSD.



^ 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+
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 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	

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	✓

^ **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

0.02.11a

0, 7, 12, 18, 24, 30, 40, 54 Mbps

^ Hardware

NVR Storage	Pre-installed 64GB microSD for NVR
Expansion Slot	MicroSD Card i
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

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