

UniFi® Network



Dream Router

All-in-one WiFi 6 router with a 3 Gbps aggregate throughput rate.

The Dream Router (UDR) is a next-generation WiFi 6 router that delivers unbeatable performance at an unmatched price. Featuring advanced 4x4 MU-MIMO and OFDMA technology, the UDR has an aggregate wireless throughput rate of up to 3 Gbps over its 2.4 and 5 GHz bands, ensuring quality connectivity for all of your devices. The UDR also has (5) GbE RJ45 ports, including two that supply PoE to compatible devices, and all of its connections can be conveniently monitored from the router's LCM color screen. Designed to be a comprehensive, easy-to-use network hub, the UDR can be set up and configured in minutes via the UniFi Network web application or mobile app.



Mechanical

| | |
|--------------------|----------------------------------|
| Dimensions | Ø110 x 184.13 mm (Ø4.33 x 7.25") |
| Weight | 1.15 kg (2.54 lb) |
| Enclosure material | Polycarbonate |

Hardware

| | | | | | |
|---|--|---------|----------|-------|----------|
| Processor specs | Dual-Core® Cortex® A53 at 1.35 GHz | | | | |
| System memory | 2 GB | | | | |
| Expansion slot | Micro SD memory card* (optional) <small>*Requires a memory card with at least 128 GB of storage.</small> | | | | |
| Management interface | Ethernet Bluetooth | | | | |
| Networking interfaces | (1) WAN: 1 GbE RJ45 port (4) LAN: 1 GbE RJ45 ports | | | | |
| PoE interfaces | (2) PoE IEEE 802.3af | | | | |
| LCM display | Start-up animation: start-up in progress Firmware update icon: firmware updating | | | | |
| Button | Factory-reset | | | | |
| LED | White/blue | | | | |
| Power method | Universal AC input, 100-240VAC, 1.1A Max, 50/60 Hz | | | | |
| Power supply | AC/DC, Internal, 50W | | | | |
| Supported voltage range | 100 to 240VDC | | | | |
| Max. power consumption (excluding PoE output) | 19.37W | | | | |
| PoE budget | 32W | | | | |
| Max. PoE wattage per port by PSE | 15.4W | | | | |
| Voltage range 802.3af mode | 44 to 57VDC | | | | |
| Max. TX power | <table border="1"><tr><td>2.4 GHz</td><td>26 dBm</td></tr><tr><td>5 GHz</td><td>26 dBm</td></tr></table> | 2.4 GHz | 26 dBm | 5 GHz | 26 dBm |
| 2.4 GHz | 26 dBm | | | | |
| 5 GHz | 26 dBm | | | | |
| MIMO | <table border="1"><tr><td>2.4 GHz</td><td>4 x 4</td></tr><tr><td>5 GHz</td><td>4 x 4</td></tr></table> | 2.4 GHz | 4 x 4 | 5 GHz | 4 x 4 |
| 2.4 GHz | 4 x 4 | | | | |
| 5 GHz | 4 x 4 | | | | |
| Throughput rate | <table border="1"><tr><td>2.4 GHz</td><td>600 Mbps</td></tr><tr><td>5 GHz</td><td>2.4 Gbps</td></tr></table> | 2.4 GHz | 600 Mbps | 5 GHz | 2.4 Gbps |
| 2.4 GHz | 600 Mbps | | | | |
| 5 GHz | 2.4 Gbps | | | | |
| Antenna | (1) Internal, dual-band, quad-polarity antenna | | | | |



| | | |
|-----------------------|-----------------------------|---------|
| Antenna gain | 2.4 GHz | 3.4 dBi |
| | 5 GHz | 4.3 dBi |
| Operating temperature | -10 to 45° C (14 to 113° F) | |
| Operating humidity | 5 - 95% noncondensing | |
| Certifications | CE, FCC, IC | |

Software

| | |
|-------------------------|--|
| WiFi standards | 802.11a/b/g WiFi 4/WiFi 5/WiFi 6 |
| Wireless security | WEP, WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3) |
| BSSID | 8 per radio |
| VLAN | 802.1Q |
| Advanced QoS | Per-user rate limiting |
| Guest traffic isolation | Supported |
| Concurrent clients | 300+ |

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 (WiFi 4) | 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) | 7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/160) |

