UniFi® Dream Router

Datasheet
UDR

UniFi® Network

UniFi Dream Router

All-in-One Desktop Router.

The UniFi Dream Router is a next-generation Wi-Fi 6 network router that delivers unbeatable performance at an unmatched price. Featuring advanced 4x4 MU-MIMO and OFDMA technology, the UniFi Dream Router has an aggregate wireless throughput rate of up to 3.0 Gbps over its 5 and 2.4Ghz bands, ensuring a premium wireless experience for all connected devices. The UniFi Dream Router is equipped with 5 GbE ports–2 of which provide PoE to downstream devices–while the UniFi Dream Router's LCM screen concisely displays key network and device information. The UniFi Dream Router is also designed for simplicity, offering an intuitive, Bluetooth-supported setup and configuration process that can be completed via the UniFi Network 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
Memory information	2 GB
Management interface	Ethernet Bluetooth
Networking interfaces	(5) GbE RJ45 ports
PoE interfaces	(2) PoE IEEE 802.3af (pair B 4, 5+; 7, 8-)
LCM display	Bootup animation: bootup in progress Firmware upgrade Icon: firmware upgrading
Button	Factory reset
LED	White/blue
Power method	Universal AC input, 100-240VAC, 1.1A Max, 50/60 Hz
Power supply	AC/DC, Internal, 240W
Supported voltage range	100 to 260VDC
Max. power consumption	26 W
Max. TX power	2.4 GHz: 26 dBm 5 GHz: 26 dBm
MIMO	2.4 GHz: 4 x 4 5 GHz: 4 x 4
Throughput speeds	2.4 GHz: 600 Mbps 5 GHz: 2.4 Gbps
Antenna	(1) Internal dual-band antenna, quad-polarity
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

Wi-Fi standards	802.11a/b/g Wi-Fi 4/Wi-Fi 5/Wi-Fi 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 (Mbps)

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 (Wi-Fi 4)	6.5 Mbps to 600 Mbps (MCS0 - MCS31, HT 20/40)
802.11ac (Wi-Fi 5)	6.5 Mbps to 1.7 Gbps (MCS0 - MCS9 NSS1/2/3/4, VHT 20/40/80/80+80)
802.11ax (Wi-Fi 6)	7.3 Mbps to 2.4 Gbps (MCS0 - MCS11 NSS1/2/3/4, HE 20/40/80/80+80)

Compliance

FCC

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions.

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This radio transmitter (FCC ID: SWX-UDR) has been approved by FCC

ISED Canada

CAN ICES-3(B)/NMB-3(B)

This device complies with ISED Canada licence-exempt RSS standard(s).
Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This radio transmitter (IC: 6545A-UDR) has been approved by ISED Canada.

The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile

CAN ICES-3(B)/NMB-3(B)
Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1. l'appareil ne doit pas produire de brouillage;
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent émetteur radio (IC : 6545A-UDR) a été approuvé par ISDE Canada.

Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.

RF Exposure Warning

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be located or operating in conjunction with any other antenna or transmitter. Les antennes utilisées pour ce transmetteur doivent être installé en considérant une distance de séparation de toute personnes d'au moins 20 cm et ne doivent pas être localisé ou utilisé en conflit avec tout autre antenne ou transmetteur.

NCC

警語：
取得審驗證明之低功率射頻器材，非經核准，公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。低功率射頻器材之使用不得影響飛航安全及干擾合法通信；經發現有干擾現象時，應立即停用，並改善至無干擾時方得繼續使用。
前述合法通信，指依電信管理法規定作業之無線電通信。低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。
無線資訊傳輸設備避免影響附近雷達系統之操作。