

UniFi Network

U5G-Max Datasheet



Overview :

A full-performance 5G (3.4Gbps) designed for UniFi consoles and gateways, with dual SIM for reliable connectivity and seamless failover.

Key Specifications:

- 5G (up to 3.4Gbps) designed for UniFi consoles and gateways for primary / failover internet
- Supports two (2) nano SIM cards
- One (1) (10/100/1G/2.5G) RJ45 port (PoE In)
- Flexible mounting options

Technical Specifications:

MECHANICAL

- Dimensions: Length 180 mm, Width 109 mm, Height 33.8 mm
- Weight:
 - Device: 410g
 - Stand: 215g
 - Wall Mount: 7.6g
 - Window Mount: 20g
- Enclosure Characteristics: Device: Polycarbonate, Aluminum Alloy; Stand: Polycarbonate, Silicone Rubber
- Weatherproof Rating: Not Applicable (NA)
- Impact Resistance Rating: IK04

HARDWARE

- Processor Specifications: Quad Core A53 1.5 GHz
- Memory Information: DDR4 1GB, eMMC 4GB, NOR flash 8MB
- Management Interface: Ethernet or Bluetooth
- Networking Interface: 5G NR and LTE radio
- Buttons: Factory reset
- LEDs: Not Applicable (N/A)
- LCM/TP: 1.3" display
- Power Method: Power over Ethernet (PoE)
- Supported Voltage Range: 44–57 V DC

- Maximum Power Consumption: 14.5 W
- Maximum Transmit (TX) Power:
 - 5G HPUE power class 2: +26 dBm
 - LTE HPUE power class 2: +25 dBm
 - Bluetooth 4.1: +9.5 dBm
- SIM: Two nano-SIM (4FF) or eSIM
- 5GNR bands: n1, n2, n3, n5, n7, n8, n12, n13, n14, n18, n20, n25, n26, n28, n29, n30, n38, n40, n41, n48, n66, n71, n75, n76, n77, n78, n79
- 4G LTE bands: B1, B2, B3, B4, B5, B7, B8, B12, B13, B14, B17, B18, B19, B20, B25, B26, B28, B29, B30, B32, B34, B38, B39, B40, B41, B42, B43, B46, B48, B66, B71
- 3G bands: B1, B2, B4, B5, B8, B19
- Cellular Speed (Maximum):
 - 5G NSA sub-6: Downlink 3.4 Gbps / Uplink 560 Mbps
 - 5G SA sub-6: Downlink 1.8 Gbps / Uplink 650 Mbps
 - LTE: Downlink 1.6 Gbps / Uplink 210 Mbps
- Range
- Antennas:
 - Four (4) Embedded omni-directional cellular antennas
 - One (1) Bluetooth antenna
- Mounting Options: Wall mount, Window Mount, Desktop
- Operating Temperature: 0 to 40 °C (32 to 104 °F)
- Operating Humidity: 95% Noncondensing

*Speed depends on network coverage and performance at the device location.