Item no.: AF60-HD

AF60-HD-EU - airFiber 60 HD, Multi-Gigabit 60 GHz Bridge

from **410,03 EUR**

Item no.: AF60-HD
shipping weight: 3.50 kg
Manufacturer: Ubiquiti

📄 Product Description

AF60-HD - airFiber 60 HD

The airFiber 60 HD (AF60 HD) is a 60 GHz radio designed to create superior mid-range, point-to-point (PtP) links up to 2 km. The AF60 HD delivers low-interference, low-latency throughput within the 60 GHz spectrum. Compact and highly durable, the AF60 HD also features integrated GPS and a Bluetooth management radio to simplify setup, configuration, and monitoring. This bridge is ideal for ISPs looking to maximize signal linking with cost-effective equipment.

Mechanical

- Dimensions: Ø189 x 89 mm (Ø7.4 x 3.5")
- Weight: Without mount: 1.8 kg (3.9 lb); With mount: 2.95 kg (6.5 lb)
- Enclosure materials: Aluminum alloy, UV stabilized plastic
- Mount material: Stainless steel (SUS304)
- Mount: 60G precision alignment pole mount (included)
- Wind loading: 64 N at 200 km/h (14.39 lbf at 125 mph)
- Weatherproofing: IPX6

Hardware

- Processor: Quad-Core ARM® Cortex® A72 at 1.6 GHz
- Memory: 2 GB DDR4
- Networking interfaces: 1x GbE RJ45 port; 1x 1/10G SFP+ port
- Button: Factory reset
- RF connections: Internal
- Max. power consumption: 29.31 W
- Power method: Passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-) or 2-pairs (4, 5+; 7, 8-)
- Power supply: 48 V DC, 0.65 A Gigabit PoE adapter (included)
- Supported voltage range: 48 V DC ± 10%
- Operating temperature: -40°C to 55°C (-40°F to 131°F)
- Operating humidity: 5 to 95% non-condensing
- Certifications: FCC, IC, CE, terragraph

LEDs

- Power: Flashing white: Bootup in progress; White: Not connected to UISP console; Blue: Connected to UISP console
- Ethernet: Flashing blue: Ethernet activity
- GPS: Blue: Receiving at least (4) GPS satellite signals
- 60G: Blue: Active connection

System

- Maximum throughput: 60 GHz: 3.8 Gbps/6 Gbps (with channel bonding enabled)
- Maximum range: 2 km
- Encryption: WPA2-PSK (AES)
- Uplink/downlink ratio: 50/50

Software

- OS: airFiber®
- Modes: PtP only
- Services: UISP, ping watchdog, web server, SSH server, NTP client, system log, device discovery
- Utilities: Beamform info, discovery utility, ping, trace route, speed test
- Network: Bridge mode
- Wireless settings: GPS sync (GPS is used to populate UI/UX elements)
- Management interface: Bluetooth management for easy setup over UISP app; WEB UI
- Minimum software requirements: Any modern WEB browser/iOS or Android based smartphone

RF

- Operating frequency: 57 to 66 GHz (depends on regulatory region)
- GPS: Yes
- Channel bandwidth: 2160 MHz/4320 MHz (with channel bonding enabled)
- Operating channels: 58320, 59400, 60480, 61560, 62640, 63720, 64800 MHz (depends on the channel bandwidth)
- Beamwidth: HPOL: NaN (the antenna is only vertically polarized); VPOL: 3°; Elevation: 3°
- Electrical downtilt: 0°

📄 Specifications

Scan this QR code to view the product
All details, up-to-date prices and availability