

Ubiquiti Networks AirFiber AF-5XHD 1000 Mbit/s White Power over Ethernet (PoE) (AF-5XHD)

Model: AF-5XHD

Manufacturer: UBIQUITI

EAN: 817882022828

Product Code: 1576602

R9,547

Ubiquiti Networks AirFiber AF-5XHD 1000 Mbit/s White Power over Ethernet (PoE)

Ubiquiti Networks AirFiber AF-5XHD

Ubiquiti continues to disrupt the wireless broadband market with revolutionary LTU technology that breaks through the limitations of 802.11 Wi-Fi technology. Designed for use in the 5 GHz frequency

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band, the new airFiber® AF-5XHD is Ubiquiti's first LTU radio, offering greater channel bandwidths of up to 100 MHz, and more advanced RF components. Pair the AF-5XHD with a compatible Ubiquiti® airFiber X antenna or RocketDish™ antenna for a complete 5 GHz Point-to-Point (PtP) solution. An IP67 upgrade kit is included to provide enhanced protection from dust and water.

Auto Output Power

Enabled by default, the Auto Output Power option causes the AF-5XHD to set the output power (EIRP) to the appropriate level.

Programmable Transmit Power

The radio's transmit power level can be programmed up to +29 dBm.

Programmable DL/UL Ratio

The AF-5XHD can split downlink and uplink traffic and support asymmetric traffic as needed. DL/UL ratios include 25%, 33%, 50%, 67%, and 75%. The DL/UL Ratio is an essential part of GPS sync functionality; it must be the same in all APs that you wish to synchronize.

Configurable GPS Synchronization

The AF-5XHD offers configurable support for 2, 2.5, 4, and 5 ms frames. Timing is compatible with all other synchronous systems, and 5 ms frame length is compatible with airMAX networks.

Split TX and RX Frequency1 The radio can operate on different frequencies for TX and RX, allowing great flexibility for interference avoidance.

Split TX and RX Channel

Bandwidth2 Support for different channel bandwidths for TX and RX allows users to scale required

data capacity more efficiently.

Adaptive Modulation up to 4096QAM1

Adaptive modulation rates of up to 4096QAM are supported.

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Dual Redundant

Gigabit Ethernet Ports with PoE The AF-5XHD has two Gigabit Ethernet ports that can be used for

redundant PoE power.

Bluetooth Wireless Configuration

Use the built-in Bluetooth interface for wireless configuration.

AlignLock™ Antenna Aiming Guard

This alerts the user when the radio or antenna aiming is changed due to tampering,

impact, or storm damage.

Redundant Images for Fail-Safe Configuration

Creation of backup firmware images ensures fail-safe configuration and

enhances reliability.

Persistent Spectrum Analysis with Dedicated RX

Perform real-time spectral analysis for the full band on live links without

interrupting the link operation.

Wide Voltage Range, Enhanced Surge Protection

The AF-5XHD has an operating voltage range of 19-50VDC3 and provides enhanced surge protection.

Additional Product Notes

1. 1 Gbps+ Throughput
2. 4096 QAM Modulation
3. 2 Million+ Packets per Second
4. Proprietary RF Filtering

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Maximum data transfer rate	Ethernet LAN data rates	Maximum outdoor range	Transmitting power	Placement	Ethernet LAN (RJ-45) ports
1000 Mbit/s	10,100,1000 Mbit/s	200000 m	29 dBmW	Wall	2

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