



5 GHz Carrier Radio with LTU™ Technology

Up to 1+ Gbps Real Throughput, 100+ km Range

Full-Band Certification including DFS

Ubiquiti's LTU Custom Silicon



airFiber AF-5XHD	
Dimensions	224 x 82 x 48 mm (8.82 x 3.23 x 1.89")
Weight	0.35 kg (12.3 oz)
RF Connectors	(2) RP-SMA Weatherproof (CH0, CH1) (1) SMA Weatherproof (GPS)
GPS Antenna	External, Magnetic Base
Power Supply	24V, 1A Gigabit PoE Adapter (Included)
Power Method	Passive Power over Ethernet Pins 1, 2, 4, 5 (+) and Pins 7, 8, 3, 6 (-)
Max. Power Consumption	6-12W ¹
Supported Voltage Range	+18 to +54VDC ²
Mounting	airFiber X Mount (Rocket Mount Compatible) GPS Pole Mount (Included)
Operating Temperature	-40 to 55° C (-40 to 131° F)
Weatherproofing	IP67 ³
Certifications	CE, FCC, IC



System	
Processor	airFiber LTU IC
Maximum Throughput	1.34 Gbps ^{4, 5}
Maximum Range	100 km ⁴
Packets per Second	2+ Million ⁶
Latency	1.5 ms - 3.5 ms ⁷
Encryption	AES-256
OS	airOS LTU
Wireless Modes	PtP Master/Slave

¹ Varies with firmware load and operational mode.

² Full range depends on Ethernet cable length.

³ After installation of IP67 upgrade kit (included).

⁴ Throughput and range values may vary depending on the environmental conditions.

⁵ Assuming 4096QAM (requires firmware version 1.1.2 or above).

⁶ Hardware bridge mode only.

⁷ Based on 2 ms frame.

Networking Interface	
Data Port	(1) 10/100/1000 Ethernet Port
Management Port	(1) 10/100/1000 Ethernet Port Bluetooth v4.0