Tech Specs

60 GHz Wireless   Wireless   Fiber   Wired   Accessory Tech

Datasheet	Marketing Images

airFiber AF-11

Dimensions	327 x 112 x 86 mm (12.87 x 4.41 x 3.39")
Weight	2.26 kg (5 lb)
Mounting	AF-11G35 mount compatible

Hardware

Networking interface	(1) GbE RJ45 port (1) 10/100 MbE RJ45 port
Power method	Passive PoE (Pins 1, 2, 4, 5 (+) and Pins 7, 8, 3, 6 (-)) DC Power Block
Power supply	50V DC, 1.2A PoE Gigabit Adapter (Included)
Supported voltage range	38-56V DC
RF connectors	(4) SMA Weatherproof, Two per Chain: TX 0, RX 0 (Chain 0) and TX 1, RX 1 (Chain 1) (2) N-Type Waterproof, One per Duplexer
Operating temperature	-40 to 55° C (-40 to 131° F)
Certifications	CE, FCC, IC

Software

Modes	SISO/MIMO* * Comes with (1) Low-Band Duplexer pre-installed for SISO mode. For MIMO mode, a second Duplexer is available, model AF-11-DUP-L.

System

Max. throughput	1.2+ Gbps
Max. range	300+ km
Encryption	128-bit AES

RF

Operating frequency*	10.7-11.7 GHz *Depends on regional regulations.
Max. conducted TX power*	30 dBm *Depends on regional regulations.
Frequency accuracy	± 1 ppm
Channel bandwidth*	3.5/5/7/10/14/20/ 28/30/40/50/56 MHz selectable** Programmable Uplink and Downlink duty cycles * For region-specific details, refer to the Compliance chapter of the airFiber AF-11FX User Guide at ui.com/download/airfiber **Channel widths may vary according to country/region regulations.

airFiber AF-11G35

Dimensions	811 x 811 x 460 mm (31.9 x 31.9 x 18.1")
Weight	Without mount: 7.14 kg (15.74 lb) With mount: 11.85 kg (26.12 lb)
Wind loading	1538 N @ 200 km/h (346 lbf @ 125 mph)
Wind survivability	200 km/h (125 mph)
Mounting	Pole mount
Frequency	10.3 to 11.7 GHz
Gain	35 dBi
HPOL beamwidth	2.5°
VPOL beamwidth	2.5°
Maximum VSWR	2:1
Polarization	Default: H/V After rotating OMT: ± 45°
Cross-pol isolation	35 dB
Pattern regulatory	ETSI 302 217-4-2, Class 3, FCC Cat B

🔗 Compliance Information

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