

Specifications

AF-11FX	
Dimensions	327 x 112 x 86 mm (12.87 x 4.41 x 3.39")
Weight	2.260 kg (5 lb)
RF Connectors	(4) SMA Weatherproof: TX 0, RX 0 (Chain 0) and TX 1, RX 1 (Chain 1) (2) N-Type Waterproof, One per Duplexer
Power Supply	50VDC, 1.2A PoE Gigabit Adapter (Included)
Power Method	Passive Power over Ethernet Pins 1, 2, 4, 5 (+) and Pins 7, 8, 3, 6 (-) or DC Power Block
Max. Power Consumption	36W
Supported Voltage Range	38-56VDC
Automatic Transmit Power Control (ATPC)	Yes
Mounting	Integrated Pole Mount Included Oversized Rocket Mount Compatible
LEDs	(8) Status LEDs: Data Port Link/Activity Management Port Link/Activity MIMO Mode RF Link (4) Autoscaling Signal Strength Bar Graph
Operating Temperature	-40 to 55° C (-40 to 131° F)
Certifications	CE, FCC, IC

AF-11FX Networking Interface	
Data Port	(1) 10/100/1000 Ethernet Port
Management Port	(1) 10/100 Ethernet Port

AF-11FX System	
Processor	INVICTUS 2 IC
Maximum Throughput	1.2+ Gbps ¹
Maximum Range	300+ km ¹
Encryption	128-bit AES
OS	airOS® F
Wireless Modes	SISO/MIMO
Latency Full Duplex Mode	< 200 µs at Full Throughput
MTU (Maximum Transmission Unit)	Up to 9600

¹ Throughput and range values may vary depending on the environmental conditions.

AF-11FX Radio	
Frequency Range	10.7-11.7 GHz ²
Max. Conducted TX Power	30 dBm ² (Dependent on Regulatory Region)
Frequency Accuracy	± 2.0 ppm
Channel Bandwidth	3.5/5/7/10/14/20/28/30/40/50/56 MHz Selectable ³

AF-11FX Suggested Max. TX Power	
10x (1024QAM)	18 dBm
8x (256QAM)	21 dBm
6x (64QAM)	24 dBm
4x (16QAM)	30 dBm
2x (4QAM)	30 dBm
1x (QPSK)	30 dBm

AF-11FX Duplexer	
Low-Band Duplexer	Low Channel: 10.700 to 10.955 GHz High Channel : 11.200 to 11.445 GHz
High-Band Duplexer	Low Channel : 10.940 to 11.200 GHz High Channel : 11.440 to 11.700 GHz

² For region-specific details, refer to the *Compliance* chapter of the airFiber AF-11FX User Guide at www.ubnt.com/download/airfiber

³ Channel widths may vary according to country/region regulations.

