Specifications

airFiber AF-24	
Operating Frequency	24.05 – 24.25 GHz*

Dimensions
  Radio
  Box
	
	649 x 426 x 303 mm (25.55 x 16.77 x 11.93")
	725 x 520 x 410 mm (28.54 x 20.47 x 16.14")

Weight
  Radio (Mount Included)
  Box
	
	10.5 kg (23.15 lb)
	17 kg (37.48 lb)

Max. Power Consumption	50W
Power Supply	50V, 1.2A PoE GigE Adapter (Included)
Power Method	Passive Power over Ethernet
Supported Voltage Range	+42 to +58VDC, -48VDC
Certifications	CE, FCC, IC
Wind Loading	480 N @ 200 km/hr (108 lbf @ 125 mph)
Wind Survivability	200 km/hr (125 mph)
Mounting	Pole Mount Kit (Included)
Operating Temperature	-40 to 55° C (-40 to 131° F)
LEDs	(8) Status LEDs: Data Port Speed Data Port Link/Activity Configuration Port Speed Configuration Port Link/Activity GPS Synchronization Modulation Mode Master/Slave RF Status (1) Two-Digit LED Display Calibrated in dBm
Interface	
Data Port	(1) 10/100/1000 Ethernet Port
Configuration Port	(1) 10/100 Ethernet Port
Auxiliary Port	(1) RJ-12, Alignment Tone Port
System	
Maximum Throughput	1.5+ Gbps
Maximum Range	13+ km
Packets per Second	> 1 Million
Encryption	128-Bit AES
Uplink/Downlink Ratio	50% Fixed

Latency
  Full Duplex Mode
  Half Duplex Mode
	
	< 200 µs at Full Throughput
	< 2 ms at Full Throughput

MTU (Maximum Transmission Unit)	Up to 9600

* Two 100 MHz channels are available:: 24.1 GHz (24.05-24.15 GHz) and 24.2 GHz (24.15-24.25 GHz)

airFiber AF-24 Receive Sensitivity			
Modulation	Sensitivity	FDD Capacity*	TDD Capacity*
64QAM	-66 dBm	1500 Mbps	760 Mbps
16QAM	-72 dBm	1000 Mbps	507 Mbps
QPSK MIMO	-78 dBm	500 Mbps	253 Mbps
QPSK SISO	-80 dBm	250 Mbps	127 Mbps
¼x QPSK SISO	-87 dBm	62.5 Mbps	31.7 Mbps

* FDD = (2) 100 MHz channels and TDD = (1) 100 MHz channel