

AIRFIBER

Operating Frequency	24.05 – 24.25 GHz
Dimensions	593 x 768 x 370 mm
Weight	17.3 kg (Mount Included)
Maximum Power Consumption	50 W
Power Supply	50V, 1.2A PoE GigE Adapter (Included)
Power Method	Passive Power over Ethernet (42-58VDC)
Certifications	CE, FCC, IC
Mounting	Pole Mount Kit (Included)
Wind Loading	170 lbf @ 125 mph
Wind Survivability	125 mph
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	2 Gbps
Maximum Range	20+ km
Packets per Second	> 1 Million
Encryption	128-Bit AES
Forward Error Correction	No

Cyclic Prefix	No
Uplink/Downlink Ratio	50% Fixed

RADIO FREQUENCY

GPS	GPS Clock Synchronization
EIRP	~33 dBm (FCC/IC), ~20 dBm (CE)
Frequency Accuracy	± 2.5 ppm without GPS Synchronization ± 0.2 ppm with GPS Synchronization
Channel Bandwidth	100 MHz
Operating Channels	24.1 GHz, 24.2 GHz
Modulation	256QAM 64QAM 16QAM QPSK MIMO QPSK SISO $\frac{1}{4}$ x QPSK SISO

INTEGRATED SPLIT ANTENNA

TX Gain	33 dBi
RX Gain	40 dBi
Beamwidth	< 3.5°
Front-to-Back Ratio	70 dB
Polarity	Dual-Slant Polarization
Cross-Polarity Isolation	> 28 dB