

# airFiber 11 High-Band Backhaul Radio with Dish Antenna

AF11-Complete-HB

## airFiber AF-11

Dimensions	327 x 112 x 86 mm (12.9 x 4.4 x 3.4")
Weight	2.3 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 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-) Terminal block direct-wire
Power supply	50V DC, 1.2A gigabit PoE adapter (Included)
Supported voltage range	38-56V DC
Max. power consumption	36W
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
Ambient operating temperature	-40 to 55° C (-40 to 131° F)
Certifications	CE, FCC, IC

## Software

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

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

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## 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 <a href="http://atui.com/download/airfiber">atui.com/download/airfiber</a> **Channel widths may vary according to country/region regulations.

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## 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/VA After rotating OMT: ± 45°
Cross-pol isolation	35 dB
Pattern regulatory	ETSI 302 217-4-2, Class 3, FCC Cat B

