

Product:

Wave-MLO5

Mechanical

Dimensions	249.3 x 82 x 47.6 mm (9.8 x 3.2 x 1.9")
Weight	575 g (1.3 lb)
Enclosure material	Aluminum alloy, UV-resistant polycarbonate
Mount material	Strap: stainless metal Universal bracket: UV-resistant polycarbonate
Pole mount diameter	25.4 to 50.8 mm (1 to 2") on pipe outer diameter
Weatherproofing	IPX6

Hardware

Processor	Quad-core IPQ5322 at 1.5 GHz
Memory	DDR4 1 GB
Networking interface	(1) 10 GbE RJ45 port (1) 10G SFP+ port
RF connectors	(2) RP-SMA (Waterproof) (1) GPS (Waterproof)
Max. power consumption	20W
Power method	Passive PoE 4-pairs (1, 2+; 3, 6-) (4, 5+; 7, 8-) Passive PoE 2-pairs (4, 5+; 7, 8-), for 44–54V DC only
Power supply	54V DC, 0.56A, 10 GbE PoE adapter (Included)
Supported voltage range	44–54V DC 22–27V DC
Max. TX power*5 GHz	24 dBm *Depends on regulatory region.

MIMO5 GHz	(2) 2 x 2
GPS	Yes
Button	(1) Factory reset
LEDs	(1) Power, (1) Ethernet, (1) GPS, (4) signal
Ambient operating temperature	-40 to 60° C (-40 to 140° F)
Ambient operating humidity	5 to 95% noncondensing
Certifications	FCC, IC, CE
NDAA Compliant	Yes

Software

Operating mode	PtP
Services	UISP, ping watchdog, NTP client
Tools	Alignment, speed test, ping, traceroute, discovery, site survey
Network	Bridge mode
Total throughput	5+ Gbps
Max. range*	100 km
*Throughput and range values may vary depending on the environmental conditions.	
Encryption	WPA3-PSK (AES)

RF

Operating frequency*	5180 – 5320, 5500 – 5700, 5745 – 5825 MHz *Depends on regulatory region.
Channel bandwidth	Radio 1: 20, 40, 80, 160 MHz

Radio 2: 20, 40, 80, 160, 240 MHz

Modulation BPSK ($\frac{1}{2}$), QPSK ($\frac{1}{2}$), QPSK ($\frac{3}{4}$), 16QAM ($\frac{1}{2}$), 16QAM ($\frac{3}{4}$), 64QAM ($\frac{1}{2}$), 64QAM ($\frac{3}{4}$),
64QAM ($\frac{1}{2}$), 256QAM ($\frac{3}{4}$), 256QAM ($\frac{1}{2}$), 1024QAM ($\frac{3}{4}$), 1024QAM ($\frac{1}{2}$), 4096QAM ($\frac{3}{4}$),
4096QAM ($\frac{1}{2}$)



Datasheet

