



Incredible performance

- 500+ Mbps throughput as a result of a powerful hardware platform with 802.11ac technology based radio and a proprietary data transmission protocol.
- High availability and throughput with max modulation of 256QAM supported and up to 80MHz channel in PTP applications
- Versatile design supporting both PtP and PtMP applications

Specifications

Distance Recommendation	PTMP Mode	PTP Mode
Acconet NetLink 520ac	Up to 10km	Up to 15km

Wireless

WLAN Standard	IEEE 802.11a/n/ac
Radio Mode	MIMO 2x2
Radio Frequency Band	5.150 - 5.850GHz (FCC 5.150 - 5.250 and 5.725 - 5.850GHz) (Country Dependent)
Transmit Power	Up to 30dBm
Channel Size	5, 10, 20, 40, 80MHz
Modulation	802.11a/n: OFDM (64-QAM, 16-QAM, QPSK, BPSK) 802.11ac: OFDM (256-QAM, 64-QAM, 16-QAM, QPSK, BPSK)
Data Rates	802.11ac @ 40 MHz: 400, 360, 300, 270, 240, 180, 120, 90, 60, 30Mbps 802.11ac @ 80 MHz: 866, 780, 650, 585, 520, 390, 260, 195, 130, 65Mbps
Error Correction	FEC, LDPC
Duplexing Scheme	Time Division Duplex

40 MHz	Modulation, Mbps	400	360	300	270	240	180	120	90	60	30
	TX Power, dBm	26	27	28	29	30	30	30	30	30	30
	Receive Sensitivity, dBm	-70	-72	-76	-78	-80	-84	-87	-92	-94	-95
80 MHz	Modulation, Mbps	866	780	650	585	520	390	260	195	130	65
	TX Power, dBm	24	25	25	26	27	28	28	29	29	29
	Receive Sensitivity, dBm	-64	-66	-70	-72	-74	-78	-81	-85	-88	-90

Antenna

Type	Integrated Dual-Polarized Directional Panel Antenna
Gain	20dBi

Wired

Interface	10/100/1000 Base-T, RJ45
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Physical

Dimensions	216mm, 184mm, 80mm
Weight	413g
Mounting	Pole mounting bracket included

Power

Power Supply	24 VDC passive PoE (included in the package)
Power Source	100 – 240VAC
Max Power Consumption	10W

Environmental

Operating temperature	-40°C ~ +65°C
Humidity	0 ~ 90 % (Non-Condensing)

Management

System Monitoring	SNMP v3, Syslog, Web UI
Configuration	WebUI, NMS