

4activeEQ-Mesh

4activeEQ-Mesh - unlike any other wireless mesh system

- ✓ to extend network range, proving ground coverage and mobility
- ✓ one network node can make multiple connections simultaneously
- ✓ routes data continuously and instantaneously

Providing fully mobile broadband connectivity

- ✓ edge devices get connected via 2.4GHz and 5Ghz simultaneously
- ✓ quickly adapts to rapidly-deployed and quickly or constantly moving platforms
- ✓ routing decisions are based on the lowest latency

Precise - reliable - efficient in any application

- ✓ support for several strong cryptographic options
- ✓ high bandwidth for data, voice, and video applications
- ✓ scalability to hundreds of mobile, high-bandwidth nodes

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Performance

frequency	2.4 GHz and 5 GHz
antenna connector	(2) Type N (female)
modulation	DSSS [★] , CCK [★] , OFDM
max. physical layer data rate	300 Mbps (throughput varies)
max. RF transmit power ^{★★}	29 dBm ± 2 dB
receive sensitivity	varying between -93 dBm ± 2 dB and -72 dBm ± 2 dB
input voltage	9 - 30 VDC Passive PoE
power consumption	2.8 W (average, idle); 15 W (maximum, peak) @ 24 V
protection class	IP67
operating temperature	-40°C to +60°C
ethernet	10/100/1000 Mbps IEEE 802.3, RJ-45, auto MDI/MDIX
USB	Micro-B USB port for firmware upgrades and GPS device add-on

★ concerns only 2,4 GHz ★★ is governed by local regulations and varies by frequency

Dimensions

frequency	155 mm x 149 mm x 41 mm
weight	440 g ± 10 g

Key features

- ✓ no single point of failure
- ✓ ease of integratio
- ✓ low maintenance
- ✓ scalability
- ✓ 802.11 compatibility

