

Trinity-10 Lite

Point to Point link with 17 dBi integrated antenna.
A preconfigured link kit that is ready to bridge traffic out of the box.

Operating in the 5 GHz unlicensed band at a data rate up to 20 Mbps aggregated throughput the Trinity-10 Lite is designed to reliably transport your data, voice and video communication.

Advanced Spectrum Analyzer with Intelligent Frequency Selection

The frequency interference graph provides the network operator an efficient tool to help analyze the spectrum.



- Product Highlight**
- Up to 20Mbit/s aggregated throughput
 - Operational range up to 8 km
 - 5 GHz frequency range
 - Local and remote management
 - Advanced spectrum analyzer
 - QoS: Four traffic classes prioritize traffic

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Aggregated throughput, Mbps vs Distance (at a maximum 30dBm output power)

Rate	Distance	1 km	5 km	8 km
6		4	3	3
9		5	4	4
12		9	8	7
18		10	9	
24		12	11	
36		18		
48		20		
54		20		

Green is within 6dB margin, ETSI configuration (Max 1W Tx output)

Trinity-10 Lite	
Radio	
Frequency Bands	5.150 – 5.845 GHz
Channel widths supported	20 MHz
Capacity	Up to 20 Mbit/s
Modulation	OFDM, BPSK, QPSK, QAM16, QAM64
Max output power	54Mb/s mod: 13 dBm 6Mb/s mod: 20 dBm
Max output sensitivity	54Mb/s mod: -70 dBm 6Mb/s mod: -90 dBm
Error Correction	FEC; k=1/2,2/3,3/4
Encryption	WPA/WPA2-PSK; 64/128-bit WEP; TKIP/AES
Surge Protection	5kV
Antenna Protection	Lightning Protection DC Grounded
DFS	Yes
Antenna	Internal
Gain	typ. 17dBi
VSWR	max. 1.5:1
3 dB Beam-Width, H-Plane	typ. 10.5°
3 dB Beam-Width, V-Plane	typ. 10.5°
Polarization	Vertical
Ethernet Interface	
Type	10/100BaseT Interface with Auto-negotiation (IEEE 802.3)
Number of Ethernet Ports	1
Framing/Coding	IEEE 802.1Q, IEEE 802.1P
Traffic Handling	MAC layer bridging, self learning, 802.1Q transparent
Packets/second	2400
VLAN ID for Management	Supported
QoS	Four Access Categories (AC) Voice, Video, Best Effort, and BackgroundTraffic classification according to WMM
Power over Ethernet Connector	48V DC, <6W, 802.3af RJ-45
Management & Installation	
LED indicators	Power, Status and Ethernet link
Installation	Built-in LED assistance for link optimization
Link Management	Web interface
Protocol	SNMP v2c
NMS Application	RCS (Repeatit NMS)
Tools in web interface	Spectrum Analyser, Speed Test
Environment	
IP Code	IP66
Temperature	-40° / +55° C
Size	250 x 210 x 80 mm
Weight per unit	1.1 Kg

