

SECTION 8 - New Products - Wireless



Wireless point-point links – supplied as a complete link in a box, with 12 months advanced replacement warranty. Line of sight required, transmission distances up to 20Km, rapid install and set up. Technical advice and back up available.

Trinity 116M inc. 1 year advanced replacement warranty
 Trinity 116M Plus inc. 1 year advanced replacement warranty
 Trinity 323TDD inc. 1 year advanced replacement warranty
 Trinity 323TDD Plus inc. 1 year advanced replacement warranty

Order Ref
 REP 116M
 REP 116M+
 REP 323
 REP 323+

3 and 5 year warranties available if taken out within first 12 month period.

Trinity 116-M



A preconfigured link kit that is ready to bridge traffic out of the box.

Operating in the 5 GHz unlicensed band with a throughput up to 100 Mbps the Trinity-116M is designed to reliably transport your data, voice and video communication.

Advanced Spectrum Analyser with Intelligent Frequency Selection.

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

Product Highlight

- 50 or 100 Mbps throughput
- 16 dBi Dual Polarized 5 GHz antenna
- Build-in RF ESD/Surge protection up to 15 kV
- Repeatit Cloud Network Management
- Speed test
- Advanced spectrum analyser
- QoS: Four traffic classes prioritise traffic

Distance	Trinity-116M	Trinity-116M Plus
< 2 km	50 Mbit	100 Mbit
3 km	50 Mbit	100 Mbit
4 km	40 Mbit	100 Mbit
5 km	35 Mbit	100 Mbit
6 km	30 Mbit	90 Mbit
7 km	28 Mbit	85 Mbit
8 km	25 Mbit	75 Mbit
9 km	23 Mbit	60 Mbit
10 km	15 Mbit	60 Mbit

Throughput UDP, 30dB max ETSI EIRP, 6dB margin

General	Trinity-116M
Radio	
Frequency Bands	5.150 – 5.845 GHz
Channel bandwidth	20 MHz; 20/40 MHz (Plus)
Capacity	50 Mbps; 100 Mbps (Plus)
Modulation	OFDM, BPSK, QPSK, 16QAM, 64QAM
Max Tx power	23 dBm
Max Rx sensitivity	-97 dBm
Error Correction	FEC; k=1/2, 2/3, 3/4, 5/6
Encryption	128 bit AES & MAC level Authentication
Surge Protection	15kV
DFS	Yes
QoS	Four Access Categories (AC) Voice, Video, Best Effort, and Background. Traffic classification according to WMM
Ethernet Interface	
Type	10/100BaseT Interface with Auto-negotiation (IEEE 802.3)
Number of Ethernet Ports	1
Framing/Coding	IEEE 802.3u
Traffic Handling	MAC layer bridging, self learning, 802.1q transparent
Data Latency	< 2ms (typical)
VLAN ID for Management	Supported
Power over Ethernet Connector	48V DC, 802.3af, < 6W typical RJ-45
Management	
Link Management	Web interface
NMS Application	Repeatit Cloud Network RCS Management Server
Tools in web interface	Spectrum Analyser, Speed Test

Specific	Trinity-116M
Antenna	Internal
Gain	typ. 16dBi
VSWR	max. 1.5:1
3 dB Beam-Width, H-Plane	typ. 20°
3 dB Beam-Width, V-Plane	typ. 20°
Polarization	Horizontal and Vertical
Antenna protection	Internal DC Grounding
Environment	
IP Code	IP63
Temperature	-40° / +55° C
Size	250 x 210 x 80 mm
Weight per unit	1.1 Kg

PRIORITY FAX LINE - 01733 344 775