

Situational Awareness.
For Every Situation.



C-BAND INTEGRATED SECTOR ANTENNA



EXTENDED COVERAGE. MAXIMUM PERFORMANCE.

The power of the Wave Relay® MANET integrated directly into an antenna extends the enterprise to the edge and over large geographic areas.

SIMPLE INSTALLATION

- Wave Relay® MANET integrated directly into antenna
- No external RF cabling reduces hassle and loss of gain
- Simple mounting bracket for quick setup
- One cable for Power + Data
- Multi-angle locking pointing arm for accurate and precise links

MORE DATA OVER LONGER RANGES

- MIMO technology delivers high throughput at long range
- Custom antenna polarization designed to maximize radio performance
- No external RF cabling allows you to leverage the full gain of the antenna
- High throughput allows you to extend the enterprise to the network edge



ONE SOLUTION. INFINITE POSSIBILITIES.

ALL INTEGRATED ANTENNAS

ANDROID™ COMPUTER

- Operating System: Android™ 6.0 Marshmallow
- Processor: 1GHz Quad Core ARM
- RAM: 2GB
- Storage: 32GB Flash

SECURITY

- Crypto Modes: CTR-AES-256 Encryption, SHA-256 HMAC
- Hardware: Cryptographic Acceleration, Suite-B Algorithms

NETWORKING

- Ethernet: 10/100Mbps
- Integration and Extension: Seamless Layer-2 Network
- Protocols: Advanced Multicast Algorithms
- IPv4 and IPv6 Compatible
- Integration DHCP Server

WAVE RELAY
AUTHORIZED RESELLER

RF

Frequency

4.4 - 5.0 GHz

Polarization

Slant L/R & Vertical

Gain

12 dBi

Transmit Power

6W

Port-to-Port Isolation

>30 dB

Horizontal Beamwidth (-3 dB)

120°

Vertical Beamwidth (-3 dB)

12°

ELECTRICAL

Lightning Protection

Integral surge suppression

Power Input

100 - 240 VAC 50/60 Hz

24 - 48 VDC

Peak Power Consumption

65W

20% Duty Cycle Power Consumption

18.5W

PHYSICAL

Dimensions

26 x 10 x 5.6 in.

41.9 x 25.4 x 14.2 cm

Weight (Integrated Antenna Only)

8.75 lbs.

4 kg

Mounting

1" to 2" Pole Mounting Kit

0° to -15° Elevation Downtilt Adjustment

I/O

Interfaces

Power + Ethernet (IP66 RJ45)

MANET

MANET

Wave Relay®

Self-Forming/Healing

Peer-to-Peer

No Master Node

Node Entry Time

<1 sec.

Max. Number of Hops

No Limit

Max. Number of Nodes

No Limit

Max. Distance between Nodes

130 mi

