

# mMR OPTIONAL EQUIPMENT

- **“TRUE-MESH” TECHNOLOGY**
- **MILITARY GRADE SECURITY**
- **MULTIPLE FREQUENCY CAPABILITIES**

## mMR series

### ANTENNAS

Omni Antennas for licensed and unlicensed frequencies, form factor starting at 3”, and custom design capabilities

- Single and dual band rubber duck antenna
- Printed Circuit Board (PCB)
- Collinear
- Waveguide
- Dual frequency single enclosure
- Dual frequency tactical disconnect collar

Utilizing the mMR robust transmit and receive power, directional antennas maximize distance and coverage area limitations due to environment variables.

- PCB high gain flat panel, hardened and commercial options\*
- PCB, Collinear, and Waveguide sector, starting at 40°, with horizontal, vertical, and dual polarization\*
- Waveguide horn antenna

Chameleon Covering™ can be applied to all antennas\*

N-Type connectors are standard, additional connection types are available\*

Custom coax assembly available\*

### ENCLOSURES

Standard enclosures are specific to mMR series product lines. Additional enclosures are available and customer enclosures for unique applications can be designed and manufactured.\*

- Composite NEMA 3,4,4x (sizes starting 72 in<sup>3</sup>)
  - Options:
    - 110 VAC
    - 12 VDC
    - Climate control (heat, air, or both)
    - Internal POE Interface
    - Sub-Zero
- Metallic NEMA 3, 4, 4x (sizes starting 110 in<sup>3</sup>)
  - Options:
    - 110 VAC
    - 12 VDC
    - Climate control (heat, air, or both)
    - Internal POE Interface

Chameleon Covering™ can be applied to all antennas\*

N-Type connectors are standard, additional connection types are available\*

Industry and military standard ingress and egress connectors and coverings available\*



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## **ELECTRONICS**

mMR series products are unique as well as the deployments, so additional electronic features, connectors, and drivers are available per specification\*.

- Additional connectors
  - RJ45
  - USB2.0
  - Fire wire
  - Serial
  - Voice
  - Video
- Wireless Components
  - Licensed or Unlicensed Modems
  - Active/Passive RFID
  - Next-Gen RFID
  - Bluetooth
- Exterior Components
  - Hardened Touch Screen
  - Fixed/PTZ video surveillance camera
  - Microphone
  - Mobile Mounting
- System Operations
  - Full Windows XP operating system
- Power
  - Internal rechargeable smart battery (6-8 hour runtime)
  - Industry standard power connection options including mobile charging
  - Solar

## **FIELD AND ENGINEERING SERVICES**

Antenna Products offers customer specific design, engineering, and field services offering customers single source turn-key solutions.

- Design and Develop
  - System Application
  - Application Hardware
  - Application Software
- Integration
  - Turn-Key System Deployment and Installation
  - Hardware
  - Software
- Unique Equipment
  - Light weight and transportable Tactical Field Kits
  - Urban Search and Rescue Field Kits
  - Temporary Commercial, Municipal, and Military deployment systems
  - Modular mobile voice, data, and video communication system for catastrophe operations
  - Commercial or US Agency, Fixed Wide Area Network (WAN) voice, data, and video communication system

