

# PERSISTENT SYSTEMS

- REDUCED SWaP
- INTEGRATED ANDROID™
- VIDEO ENCODING H.264
- WAVE RELAY® MANET
- COMMAND & CONTROL
- DISPARATE PLATFORMS



## WAVE RELAY® ANDROID™ KIT

ISO 9001:2008



### WAVE RELAY® IS A MOBILE AD HOC NETWORKING SYSTEMS (MANET) DESIGNED TO MAINTAIN CONNECTIVITY ON THE MOVE. BRING THE NETWORK TO YOUR FINGERTIPS WITH THE ANDROID™ KIT

This highly-scalable, peer-to-peer wireless network provides data, video, and voice communications in the most challenging environments and applications. With user throughput of 100 Mbps, Wave Relay® provides a dynamic, reliable, and secure wireless IP network solution beyond mesh.

Mobile End User Devices (EUDs), such as Android™ phones and tablets, provide an easy-to-use platform to display network information and data sent via the Wave Relay® MANET and maintain total situational awareness in real time. Persistent Systems offers multiple cabling solutions to fit your use case, whether you want to connect an EUD directly to the MPU5 or through the Dual PTT, and all solutions provide power and data connection to the EUD. Tethering an Android™ EUD to the MPU5 allows the end user to see full motion video, position location, and network connectivity as well as change audio channels and configurations all from a touch of a screen. Pairing an EUD with a ruggedized Juggernaut case makes the MPU5 a light-weight, field-ready SA device for real-world use.



RELEASABLE

## SPECIFICATIONS

### WaveSA App Features

- Position location of each node
- Link status between all nodes
- View phone-to-phone video or video from the MANET
- Multicast Group Chat
- Real-time notification of incoming chat requests & available video feed
- Breadcrumbing of selected nodes
- View GPS status
- Change of audio channel
- Replay of last audio message
- Control audio volume
- 27Mbps Multicast

### WaveSA Configure

- See connection status
- Set IP address, subnet, and default gateway
- Configure Username/call sign and Cursor on Target (CoT) settings
- Enable USB Host Charging
- Network Configuration through Web Management Interface Shortcut

### Physical

- Size**  
3.17 x 5.95 x 0.37 in  
80.5 x 151.1 x 9.4 mm
- Weight**  
182.5g / 6.43 oz
- Cable Lengths**  
Shortest - 6 in  
Longest - 36 in
- Display**  
140.9 mm / 5.5 in  
(1280 x 720) resolution

### Power & Environmental

- Power Consumption**  
4W while charging  
300mW fully charged
- Operating Temperature**  
-40° to 85°C (For Wave Relay®)  
-40° to 185°F
- Enclosure**  
IP67 Rated  
(With Juggernaut Case)
- Processor**  
1.6 GHz Quad Core
- Battery Life**  
14 Hrs

# MPU5 THE WORLD'S FIRST SMART RADIO

The most advanced, most scalable, and most efficient Mobile Ad Hoc Networking (MANET) radio in the world. Built to create powerful, secure networks anywhere, the MPU5 unites all your critical data sources in real time – giving you and your team the confidence to make difficult decisions in the heat of the moment. Data, video, voice, and a fully integrated Android™ computer system makes the MPU5 the world's first Smart Radio.

