

100+ MBPS  
THROUGHPUT

100+

16 TALK  
GROUPS

16

DUAL CHANNEL  
PUSH-TO-TALK3X3 MULTIPLE INPUT/  
MULTIPLE OUTPUT

MIMO

OVER-THE-HORIZON COMMS  
WITH AIRBORNE PLATFORMSONBOARD VIDEO  
ENCODING/DECODINGONBOARD ANDROID™  
OPERATING SYSTEMRADIO-OVER-IP TETHERING  
TO LEGACY RADIOS

RoIP

# SMART TACTICAL NETWORKING

Persistent Systems has reinvented tactical networking with the MPU5. Designed to meet the needs of the modern warfighter, the MPU5 creates a robust and highly scalable, peer-to-peer Wave Relay® mobile ad hoc network (MANET) that can operate on the move, in even the most austere and difficult RF environments.

The MPU5 has a built-in Android™ computer system and HD video encoder/decoder. This allows operators to control unmanned systems, run the ATAK situational awareness suite, watch and distribute HD video, and monitor sensors—all from the MPU5. By plugging in a monitor, mouse, and keyboard, it also becomes the heart of a mobile command center.



# THE DISMOUNTED USER

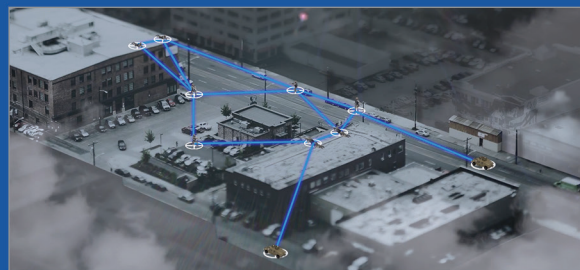
## MAINTAIN CONNECTIVITY ON THE MOVE

Powered by the Wave Relay® MANET algorithm, the MPU5 allows a distributed group of highly mobile users to communicate easily, continuously and efficiently with each other. The MPU5 forms a true peer-to-peer network without the need of a master node or fixed infrastructure. Users can freely join or leave the MANET without it impacting connectivity or requiring the reconfiguration of devices.



## CUT THROUGH THE FOG

Teams equipped with the MPU5 can share critical information as assignments unfold. The tactical networking device delivers crystal clear Push-to-Talk voice over 16 configurable talk groups, while its MIMO technology provides increased range and throughput. Additionally, users maintain situational awareness by following each other's movement via integrated GPS and by capturing and sharing full-motion HD video.



## PLAY WELL WITH OTHERS

With the MPU5, there is no more confusion when different organizations show up with legacy Land Mobile Radios (LMR). Thanks to its Radio-over-IP (RoIP) feature, the MPU5 can tether to another LMR and make it available as a talk group to MPU5s on the network. Everyone carrying an MPU5 can now speak on all the existing LMR channels.

