PERSISTENT SYSTEMS

MPU5 WR-5100

RELIABLE CONNECTIVITY WHEN YOUR TEAM NEEDS IT MOST

Built to create powerful, secure networks anywhere, the MPU5 unites all your critical data sources in real time – giving you access to the most advanced, most scalable Mobile Ad Hoc Network (MANET). Data, video, voice, and a fully integrated Android[™] computer makes the MPU5 the world's first Smart Tactical Networking Device.

SMART TACTICAL NETWORKING

- Onboard Android[™] OS the MPU5 is your computer
- Install existing Android[™] apps
- Run custom apps natively
- Connect & use USB devices

STAY CONNECTED ANYWHERE

- Uses the Wave Relay[®] MANET
- Designed for mass scalability no hop limits
- Rapid self-forming & self-healing
- True peer-to-peer no master node

CARRY LESS. DO MORE.

- Network, voice, video, computer all in one device
- Eliminate extra batteries, LMRs, encoders, receivers & more
- More room for mission critical equipment

INTERCHANGEABLE FREQUENCY MODULE

- State-of-the-art MIMO technology
- High reliability in complex environments
- Cost efficient and future-proof

STREAM HD VIDEO

- Fully integrated H.264 HD video encoding/decoding
- Connect video cameras directly to the unit
- View multiple video streams simultaneously
- HD output for connection to HDMIcompatible displays
- Stream video and voice simultaneously

RELIABLE VOICE COMMUNICATIONS

- Monitor up to 16 channels of voice
- Dual active PTT voice key 2 channels at once
- Voice channel prioritization & configurable talk groups

INTELLIGENT RoIP TETHERING

- Integrated Radio Over IP (RoIP) functionality
- Bring your LMR radio onto the network
- Communicate across separate organizations seamlessly

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NO NDA REQUIRED

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SPECIFICATIONS

Physical

Dimensions (Chassis Only) 1.5 x 2.6 x 4.6 in. 3.8 x 6.7 x 11.7 cm

Weight (Chassis Only) 13.8 oz 391 g

Coating

Black Anodized Meets MIL-A-8625-F, TYPE III, CLASS2

Mounting

(3) #4-40 0.15" Mounting Holes

Environmental

IP68 Certified IPx8 Waterproof 30 mins @ 20m or 2 hrs @ 10m rating IP6x Dustproof

MIL-STD-810G

Shock/Vibe/Salt-Fog/Rain/ Humidity/Icing/Altitude/Solar Rad

MIL-STD-461F RE/RS/CE/CS

Operating Temperature -40° to +85° C -40° to +185° F

Manufacturing

Manufactured in USA ISO 9001:2015 Certified Designed to MIL-STD

Commercial Compliance

FCC/IC Certified Japan Type Approval RCM

Networking

Advanced Wave Relay® multicast algorithms Seamless Layer 2 network connectivity Integrated serial-to-Ethernet capability Cloud Relay™ IPv4 and IPv6 compatible Integrated DHCP server USB RNDIS Host and Device

Security

Integrated Hardware Cryptographic Acceleration

CTR-AES-256 Encryption

HMAC-SHA-256 Authentication & Integrity

Utilizes CNSA Algorithms

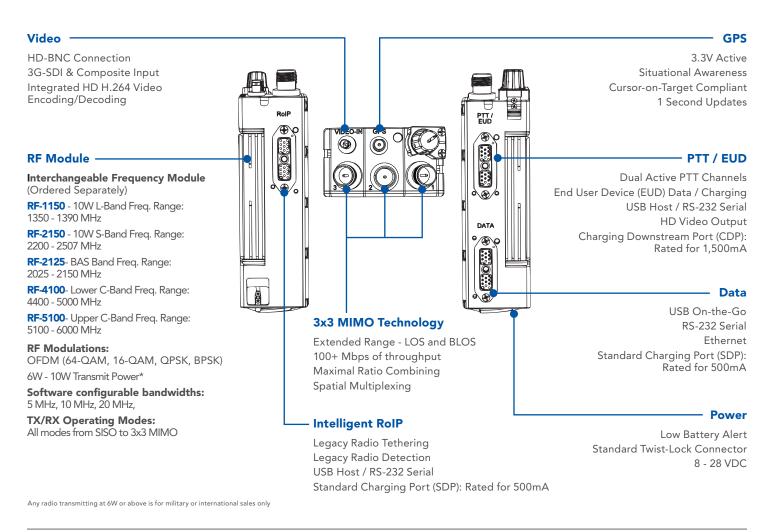
Cryptographically authenticated Over-the-Air Rekey and Key Zero

FIPS-140-2 Certified Cloud Relay™

IPv4 and IPv6 compatible

Integrated DHCP server

USB RNDIS Host and Device



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