THE WORLD’S FIRST SMART RADIO
Onboard Android™ OS - The MPU5 is Your Computer
Install Existing Android™ Apps
Run Custom Apps Natively
Connect & Use USB Devices

STAY CONNECTED ANYWHERE
Powered by Wave Relay® MANET - The World’s Most Advanced 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, Radios, 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 Enabling Simple Connection to HDMI-compatible 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

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

Integrated Hardware Cryptographic Acceleration
CTR-AES-256 Encryption
HMAC-SHA-256 Authentication & Integrity
Utilizes Suite-B Algorithms
Cryptographically authenticated Over-the-Air Rekey and Key Zero
FIPS 140-2 Level 2
Rechargeable 30 Day Hold-Up for Keys and Configuration Settings

IP68 Rated
MIL-STD Certified
Anodized Black Coating
Operating temperature: -40° to 85° C / -40° to 185° F
Designed and manufactured in USA
ISO 9001:2008 certified manufacturing facility

VIDEO
HD-BNC Connection
3G-SDI & Composite Input
Integrated HD H.264 Video Encoding/Decoding

GPS
3.3V Active
Situational Awareness
Cursor-on-Target Compliant
1 Second Updates

FREQUENCY MODULE
Interchangeable Frequency Module (Ordered Separately)
- **RF-1100** - L-Band Frequency Range: 1350 - 1390 MHz
- **RF-2100** - S-Band Frequency Range: 2200 - 2500 MHz
- **RF-3100** - C-Band Radio in Development
RF Modulations: OFDM (64-QAM, 16-QAM, QPSK, BPSK)
6W Transmit Power*
Software configurable bandwidths: 2.5 MHz, 5 MHz, 10 MHz, 20 MHz, 40 MHz
TX/RX Operating Modes: All modes from SISO to 3x3 MIMO

NETWORKING
- Advanced Wave Relay® multicast algorithms
- Seamless Layer 2 network connectivity
- Integrated serial-to-Ethernet capability
- Cloud Relay™
- DLEP Certified
- 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 Suite-B Algorithms
- Cryptographically authenticated Over-the-Air Rekey and Key Zero
- FIPS 140-2 Level 2
- Rechargeable 30 Day Hold-Up for Keys and Configuration Settings

MANUFACTURING & ENVIRONMENTAL
- IP68 Rated
- MIL-STD Certified
- Anodized Black Coating
- Operating temperature: -40° to 85° C / -40° to 185° F
- Designed and manufactured in USA
- ISO 9001:2008 certified manufacturing facility

*6W for Military and International sales only

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