Portable AG1 Wearable Mesh Radio

PART NUMBER

NWT-CA-AG1-BPK-GPS

PRODUCT DESCRIPTION

The Portable AG1 Wearable Mesh Radio is a compact, body-worn device for real-time connectivity and personnel tracking where traditional networks fail. It operates as a self-healing mesh node with no cellular, infrastructure, or backhaul required. An integrated GPS delivers live position data for team coordination. The fully internal antenna beneath an ABS radome eliminates exposed connectors and cables, ensuring durability across mining, industrial, public safety, and remote operations.

FEATURES

Self-Healing Mesh Networking	No fixed infrastructure required; network automatically reroutes around failed nodes
Portable, Wearable Form Factor	Optimized for field personnel and PPE integration
Built-In GPS Receiver	Real-time position tracking and situational awareness
Internal Antenna Design	No exposed RF cables or connectors susceptible to damage
Rapid Deployment	Automatic node discovery and network formation
Flexible Mounting Options	Supports our Universal Machine Mount or Din-Rail Mount Kits
Voice and Data Communications	Reliable connectivity for mobile teams in challenging terrain
Ruggedized Construction	Built for industrial and high-vibration environments
Scalable Coverage	Expands automatically as additional nodes join the network
Low-Latency Communications	Supports real-time coordination and situational awareness

BATTERY SPECIFICATIONS

Capacity	6000mAh
Nominal Voltage	14V
Typical Runtime	8 hours

MECHANICAL CHARACTERISTICS

Dimension	8" x 3.75" x 4.5" / 203mm x 95mm x 114mm
Weight	3.26 lb / 1.478 kg

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