

WEARNET® Wearable Personal Area Network

/// OVERVIEW

The WEARNET® system puts the Warfighter and First Responder in a plug and play common network.

- Provides the backplane connectivity for POWER and DATA
- Reduces the Warfighter's load with embedded capabilities
- Optimizes load distribution
- Tactical/covert Personal Area Network (PAN)

The WEARNET system maximizes durability, reliability and survivability and assesses influences that affect performance and operation, such as electrical loading, electromagnetic induction (EMI) (MIL-STD-461), and electrostatic discharge (ESD). WEARNET technology will improve the performance of these systems in harsh environments (MIL-STD-810) and highly diversified, complex, and unexpected situations.

The WEARNET system is the backplane connectivity for wearable and mobile applications, including current and future integrated power and data technology. WEARNET will improve the capabilities of any Warfighter or First Responder.

In the near future, POC will offer a power management system that displays device power consumption to the user as well as real-time monitoring of the main power supply. The system also can be integrated with a vehicle or aircraft adaptors to allow for power/recharging body-worn electronics during mounted operations. POC's power management system is low-profile, lightweight, and easily integrated into a combatant-worn vest. POC's power management system is designed to distribute power from a battery, a military vehicle, or an aircraft.



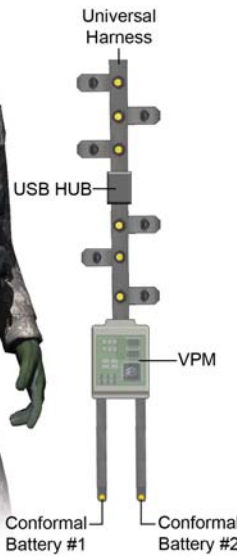
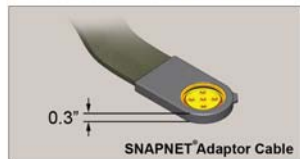
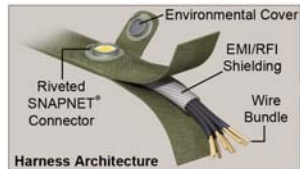
//// FEATURES

WEARNET® Kit



SNAPNET® Connector

Low profile snap connector for mission equipment packages (MEPs) allowing plug and play of any wearable electronic device

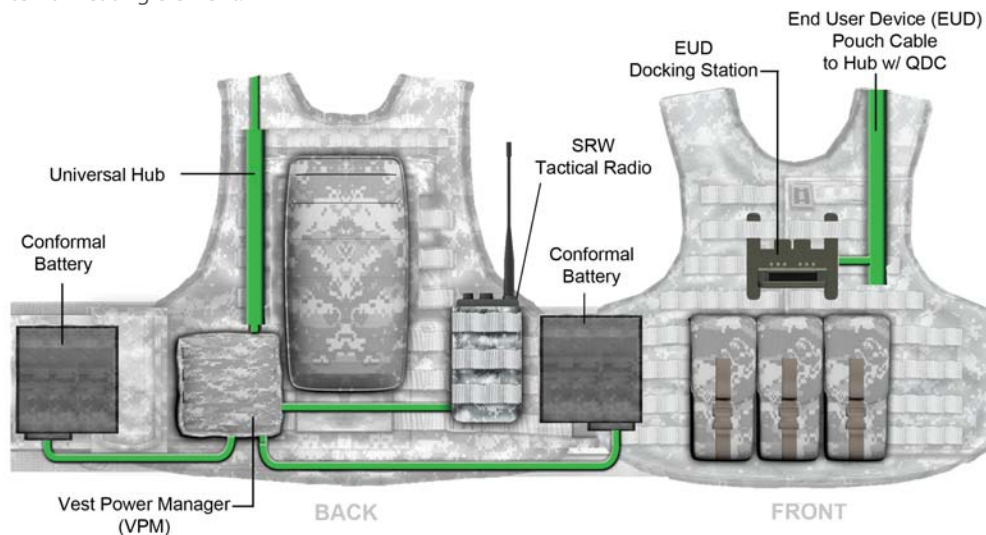


Flexible PDA Display (SITA™)

An advanced, energy-saving, low-profile, lightweight, flexible PDA with an Android operating system. The flexible display uses E-ink technology.



The WEARNET® system integrated with the Primary Survival Gear Carrier System for an Air Soldier application. The major system components are as follows: WEARNET Power/Data Harness, Vest Power Manager, conformal batteries, and soldier computer module, aircraft wireless intercom system and external heating element.



The WEARNET® System after integrated with an Improved Outer Tactical Vest (IOTV) for a Ground Soldier application. The major system components are as follows: WEARNET Power/Data Harness, SNAPNET® connectorized pouches (for tactical radio and smartphone), Vest Power Manager, and conformal batteries.



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