The STAR-PAN system uses Glenair Mighty Mouse 807 connectors which are fully-compliant to US and NATO standards for EUDs, radios, batteries, and C4ISR peripherals. Many soldier batteries can be directly connected to the STAR-PAN system without adapters using the general-purpose Mighty-Mouse equipped C1 cable.

**Smart Power = Longer Missions and Lighter Loads**

Board-level, embedded system power monitoring, conditioning and charging makes STAR-PAN the most powerful tool for extended mission life and operational effectiveness. *Smart power equals longer missions and lighter loads* by significantly reducing the number of batteries that must be carried by C4ISR-equipped soldiers. Available interconnect cabling and power adapter accessories facilitate accelerated charging of the EUD, radio and peripherals as well as power scavenging from conditioned DC power sources such as vehicles.

**STAR-PAN EMBEDDED SYSTEM POWER MANAGEMENT**

- API interface for user-controlled power management
- Port priority, charge state, system battery state, and temperature protection
- Charge-circuitry for a wide range of smart batteries

**STAR-PAN™ Power Distribution and Management Architecture**

Symbiotic radio / battery power utilization and management for JTAC and other battery-power-intensive mission profiles.
STAR-PAN™

Power distribution and management architecture

Primary power distribution supports dual hot-swappable battery inputs routed to PAN, EUD, and Radio ports

USB power layer supports regulation of input battery power for distribution to USB 2.0 devices and radio “holdup power IN” functionality

Available Radio Power Booster and “sidehat” adapter enables two-way power sharing and charging between radio and all STAR-PAN hub systems

Dedicated auxiliary power port with voltage regulation for battery charging

The STAR-PAN system utilizes the standard SMBus battery protocol for compatibility with a wide range of military standard batteries, and standards-compliant smart battery charging. Power scavenging is supported from a variety of sources. Trickle charging of radio batteries and radio holdup-to-hub is fully enabled with the STAR-PAN radio power booster.