

MISSION-CRITICAL
INTERCONNECT
SOLUTIONS



Glenair
SIGNATURE SERIES

STAR-PAN™ Multiport Power and Data Hubs

The Battle-Tested Soldier Power Solution

GROUND
SOLDIER



Multiport USB hubs,
cables, and peripheral
device manager for
soldier-worn power / data
network applications



STAR-PAN™

Powering soldier connectivity and C4ISR mission success

Ruggedized soldier-worn electronics have revolutionized mission effectiveness. But the ongoing evolution of Digitally Aided Close Air Support (DACAS) missions, including precision targeting, ground and air radio communications, real-time video downlink, GPS/navigation, and personal area network computing has added significant mission weight to the dismounted soldier ensemble. Battery power management for this broad range of electronic gear is a significant challenge in terms of mission time, weight and supply logistics. The Glenair STAR-PAN™ data hub and power distribution system enables soldiers—particularly in Joint Terminal Attack Controller (JTAC) roles—to make the most of C4ISR devices, improving situational awareness, surveillance, intelligence and reconnaissance while optimizing power monitoring, conditioning, and distribution performance. Importantly, all STAR-PAN™ technologies—from the high-density, NATO standard Mighty Mouse quick-disconnect connectors and cables to the low-profile hub enclosure itself—are designed for optimal size, weight, power, and ruggedized mil-spec performance with battle-tested environmental and EMC sealing and shielding.

- Versatile 2, 4, and 6-port high-speed hub configurations
- Compatible with USB 1.1, USB 2.0, and SMBus
- Embedded power charging/conditioning electronics in all designs
- Smart power monitoring for longer mission life
- Robust circuit protection
- Sealed IAW the MIL-STD-810 harsh-environment standard
- New MISSION MANAGER for on-the-fly device integration to soldier C4ISR networks



Glenair's Tactical Interconnect Solutions team is backed by six decades of proven, made-in-America interconnect industry performance in service of US and NATO armed forces—including the United States Marine Corps, our latest STAR-PAN™ adopters and users.

Export of STAR-PAN™ outside of the U.S. is controlled by the U.S. Department of Commerce Export Administration. See individual product pages for details. Consult factory for technology / hardware licensing information.

JTAC-TOUGH™

STAR-PAN™ Scalable Soldier Networks



Powering soldier connectivity and C4ISR mission success

STAR-PAN™ SCALABLE SOLDIER NETWORKING HUBS AND DEVICE MANAGERS



STAR-PAN™ Light
(Standard Soldier)



STAR-PAN™ II
(Advanced Soldier)



STAR-PAN™ VI
(JTAC / Mission Commander)



STAR-PAN™ MISSION MANAGER
On-the-fly device integration

OPEN-SYSTEM NETWORK SUPPORT FOR THE COMPLETE RANGE OF C4ISR DEVICES



Radios



Batteries



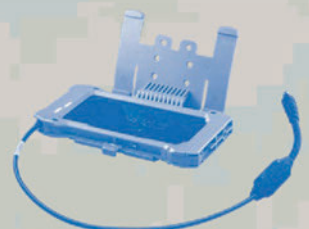
Targeting



Video



GPS

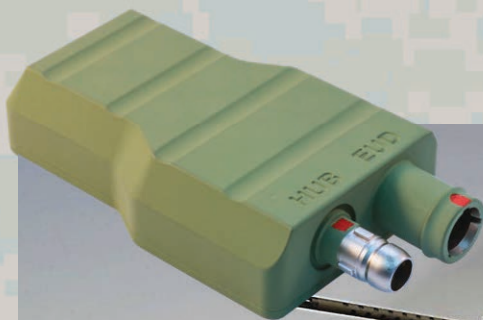


Host / EUD

GROUND
SOLDIER



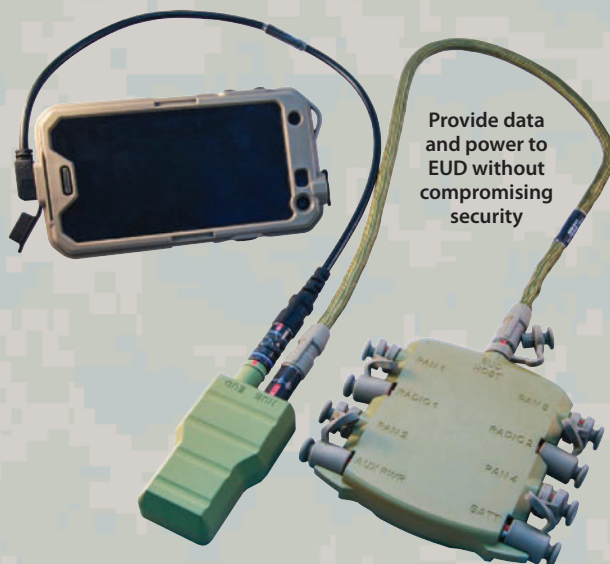
STAR-PAN™
MISSION MANAGER
Plug-and-play EUD / USB
peripheral data exchange
device



GLENAIR MISSION MANAGER WITH MX QUICK-CONFIGURATION SOFTWARE

JTAC peripheral device configuration for both general use and mission-specific profiles is a complicated and time-consuming process, repeated for each and every mission. The Glenair STAR-PAN™ MISSION MANAGER with MX quick-configuration software reduces this problem by providing a plug-and-play bridge between the soldier's End User Device (EUD) and the C4ISR peripherals he depends on for mission success.

The STAR-PAN™ MISSION MANAGER is a Linux OS ARM-based embedded computing device that acts as a full-time host, brokering data between soldier USB peripherals and the EUD. In combination with Stauder Technologies' user-configurable MX application software, the STAR-PAN™ MISSION MANAGER makes connecting multiple devices to any EUD—before, during, or between missions—easier than ever before.



- **End User Device independent—no device rooting or custom ROM images needed**
- **Real-time, plug-and-play device integration**
- **Supports multiple simultaneous Ethernet devices**
- **Dedicated EUD port for connection to downstream EUD**
- **Minimal power demands**
- **Seamless integration into STAR-PAN systems**
- **NATO standard Mighty Mouse connector interface**
- **Android, iOS, Windows and Linux compatible**
- **Export classification EAR99**

STAR-PAN™ Mission Manager with MX Software



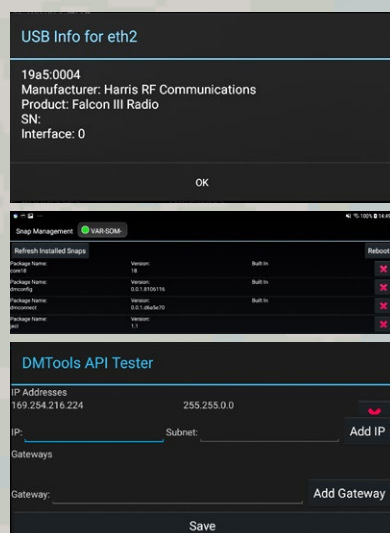
Plug-and-play EUD / USB peripheral data exchange

STAR-PAN™ MISSION MANAGER MX SOFTWARE CAPABILITIES

MISSION MANAGER with Stauder Technologies' MX quick-configuration software eliminates the need for costly EUD OS development, and/or complicated device provisioning, by providing an intelligent interconnection bridge between the soldier's EUD and his C4ISR peripherals. The secure datalink software runs directly on the EUD providing a graphical user interface for configuration and management of USB/Ethernet datalink connections and radios. STAR-PAN™ MISSION MANAGER with MX software eliminates the need to retest or recertify complex systems after EUD update or replacement.



QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, I, II, IV, AND VI



MISSION MANAGER MX software runs directly on the soldier's EUD to provide plug-and-play configuration and management of USB/Ethernet datalink connections and radios

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Storage Temperature	-40°C to +80°C
Operating Temperature	-32°C to +49°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant

FULL-TIME HOST TO BROKER DATA EXCHANGE BETWEEN SOLDIER USB PERIPHERALS AND THE EUD

Headless data management and routing for all open-system peripheral devices as shown below (lightweight single-radio configuration also supported for plug-and-play integration between radio and EUD).



STAR-PAN™ MISSION MANAGER
Seamless Integration with 808-047 General-Purpose STAR-PAN Cable

GROUND SOLDIER



QUALIFIED FOR USE WITH
ALL STAR-PAN POWER / DATA HUBS:
LIGHT, II, IV, AND VI

STAR-PAN™ System Cables and Adapters

RADIO CABLES AND ADAPTERS



**AN/PRC-152A
Radio Adapter
Cable**



**AN/PRC-117G /
RF-7800M-MP /
RF7800H-MP
Radio Adapter
Cable**



**RT-1922
Microlight
SADL
Radio Data Cable**

POWER CABLES AND BATTERY ADAPTERS



**BA5590/
BB2590
Battery Shoe**



**Radio Power Booster
For Harris, L3, Silvus,
and other radios**



**Conformal Battery
Adapter Cable**

TARGETING CABLES AND ADAPTERS



**Safran Vectronix Vector 21/21B
and Moskito Data Cable**



**PLRF 15C/25C
Laser Range Finder Cable**



**Safran Vectronix
STERNA TNF
Data Cable**

VIDEO / GPS AND AUXILIARY C4ISR CABLES



**DAGR GPS
Navigation
Cable**



**TacRover-e
Adapter Cable**



**StrikeHawk
Adapter Cable**

HOST / EUD CABLES AND ADAPTERS

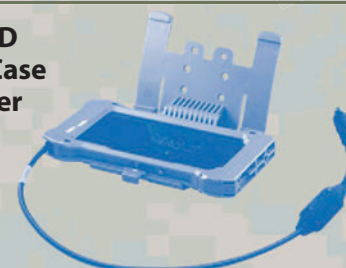


**Kägwerts
tactical
EUD case
with
Adapter
Cable**



USB-C EUD Charging Cable

**Tactical EUD
Juggernaut Case
with Adapter
Cable**



STAR-PAN™ SYSTEM AND OTHER Mil-Grade Interconnect Cable Assemblies with Mighty Mouse 807 / NATO push-pull connectors



Other Mil-Grade Cable Assemblies

HARSH ENVIRONMENT OVERMOLDED



Overmolded breakout assembly featuring 100% Glenair content; a true turnkey solution



Multibranch cable assembly with Glenair Mighty Mouse, HiPer-D M24308 and customer-supplied power connector



Turnkey overmolded GPS cable assembly with integrated switch



Environmental cable with Glenair Mighty Mouse 807, Series 79, and RF Coax terminations

ULTRAFLEXIBLE FABRIC OVERBRAID



Non-environmental aircraft cable with integrated circuit breakout box and Mighty Mouse 807 push-pull connectors



Heads-up display (HUD) cable with custom Mighty Mouse 807 and low-profile cable routing



Military jet jumper cable with user-serviceable backshells and fabric overbraid for mechanical protection



Hybrid Mighty Mouse and Micro-D aircraft pilot helmet cable assembly



MISSION-CRITICAL INTERCONNECT SOLUTIONS

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