MISSION-CRITICAL
INTERCONNECT SOLUTIONS

Glenair®

Glenair
SIGNATURE SERIES

STAR-PAN X Base Station

Vehicle-Based Roll-On, Roll-Off Charging and Data Exchange

STAR-PAN™ X BASE STATION

Ten-port power/data hub

Optimized for vehicle, helicopter, or vessel mounting, STAR-PAN X Base Station enhances soldier situational awareness with real-time access to Battlefield Management System data, while at the same time charging soldier system batteries. STAR-PAN X Base Station incorporates an embedded MISSION MANAGER with upgraded processing power. STAR-PAN X Base Station uses the same NATO standard interconnect interface as soldier-worn STAR-PAN systems.

KEY FEATURES/BENEFITS

- **Provide Battery Power and VBUS power to up to 10 USB peripheral devices simultaneously**
- **Heat-efficient electronics packaging for optimal efficiency and extended battery life**
- **Auxiliary power ports for long-length missions or hot swappable BB2590 batteries**
- **SMBUS, USB2.0 (Full and High Speed), USB1.1 compatible interface, USB 3.0 Super Speed, Gigabit Ethernet, HDMI output**
- **Glenair signature power monitoring and management**
- **Standard Personal Area Network (PAN) pin configuration, smart battery interface, Direct Current Power Source (DCPS)**
- **SMBus to USB conversion via PAN power connectors**
- **Overvoltage, overcurrent, short circuit protection and SMBus capability**
- **SPAR APP compatibility**
- **Environmentally sealed**

SPECIFICATIONS

- **PAN ports for up to ten devices**
- **HDMI and Ethernet ports**
- **Integrated STAR-PAN MISSION MANAGER functionality**
- **Two USB 3.0 ports**
- **Two battery and one auxiliary power source inputs**
- **Glenair power port management**
- **Smart battery charging from auxiliary power**
- **Up to 5A battery power per port, 20A system total**
- **Up to 2A 5 Volt VBUS power per port, 10A across all ports**
- **Precision-machined construction, integrated connectors**

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STAR-PAN™ X Base Station

TS8-462
10-port smart power and data base station hub

OVERVIEW

STAR-PAN X 10-Port Base Station is a multi-port data and power hub for platform-based C4ISR integration. STAR-PAN X 10-port Base Station provides the same NATO standard interconnect interface as soldier-worn STAR-PAN systems, making it completely interoperable with the existing portfolio of cables and adapters, and allowing easy soldier interconnection to the platform's data and power network. The unit incorporates an embedded MISSION MANAGER with upgraded processing power. STAR-PAN X has various industry standard interfaces and the ability to run on external battery power. This gives it an ad hoc Walk on/Walk off integration capability without the need to dramatically impact or change the platform's data or power architecture. Dismounted soldiers can connect to the vehicle power and data accessing on-board radios and sensors via a single cable connection and/or access data through the WiFi-network when operating in the vicinity of the vehicle.

STAR-PAN X BASE STATION APPLICATIONS

- **Armored personnel carriers**
- **Land and air troop transports**
- **Landing craft and other Naval vessels**

BASE STATION X CABLE PART NUMBERS

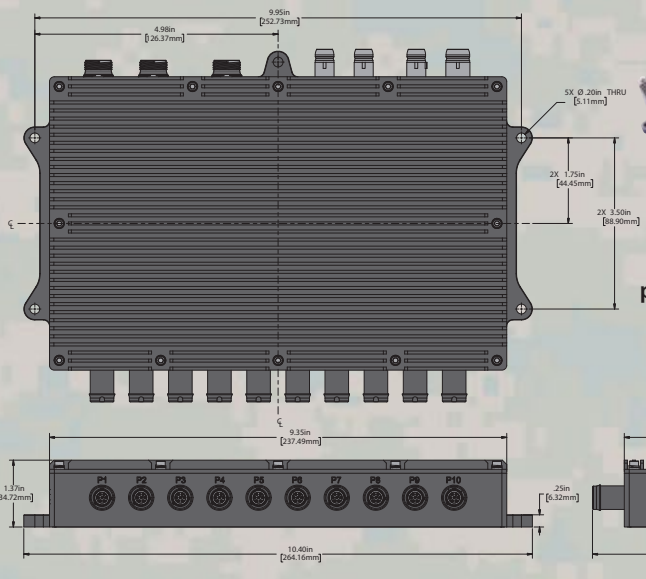
BB259 BATTERY CABLE ADAPTER	TS8-496
AC PWR SUPPLY CABLE ADAPTER	TS8-497
USB 3.0 CABLE ASSEMBLY	TS1-039
CAT 5E ETHERNET CABLE	TS1-040
HDMI TYPE A CABLE ASSEMBLY	TS1-041
USB 2.0 DONGLE	TS3-001
General-Purpose Extension Cable	808-047

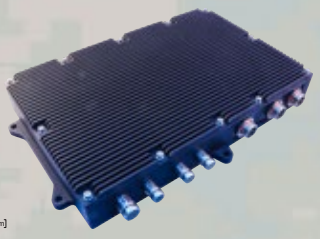
HOW TO ORDER

Sample Part Number:	TS8-462
Connectorized Hub	STAR-PAN X Base Station 10-port power/data hub

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Operating Temperature	-40°C to +60°C
Storage Temperature	-40°C to +80°C
Operation Altitude	40,000 ft.
Pan 1–10	
Battery Voltage	10.0V to 20.0V
Battery Supply Current	5A Maximum per individual port
Total VBATT Output Current	20A
Auxiliary Power Supply Port	
Auxiliary Voltage Source	10V to 36V
Auxiliary Input Current	20A maximum
Battery Port	
Battery Input Voltage	20V to 36V, 28V typical
Battery Input Current	10A maximum
Battery Charge Current	5A maximum





HDMI, Ethernet, and USB 3.0 ports, plus two battery power ports and one auxiliary power port

USB 2.0 Dongle
TS3-001

AC Power Supply Adapter Assembly
TS8-497

USB 3.0 Cable Assembly
TS1-039

Cat5E Ethernet Cable Assembly
TS1-040

HDMI Type A Cable Assembly
TS1-041

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Dimensions are subject to change without notice.

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INTERCONNECT SOLUTIONS

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