

MISSION-CRITICAL  
INTERCONNECT  
SOLUTIONS



*Glenair*  
SIGNATURE SERIES

# STAR-PAN X Base Station



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



A military vehicle, possibly a Humvee, is shown in a field. Several soldiers in camouflage uniforms are seated in the vehicle. A large, blue, rectangular electronic device, the STAR-PAN X Base Station, is mounted on the side of the vehicle. The device has a textured surface and several ports. The background shows a grassy field under a blue sky with clouds.

# 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



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

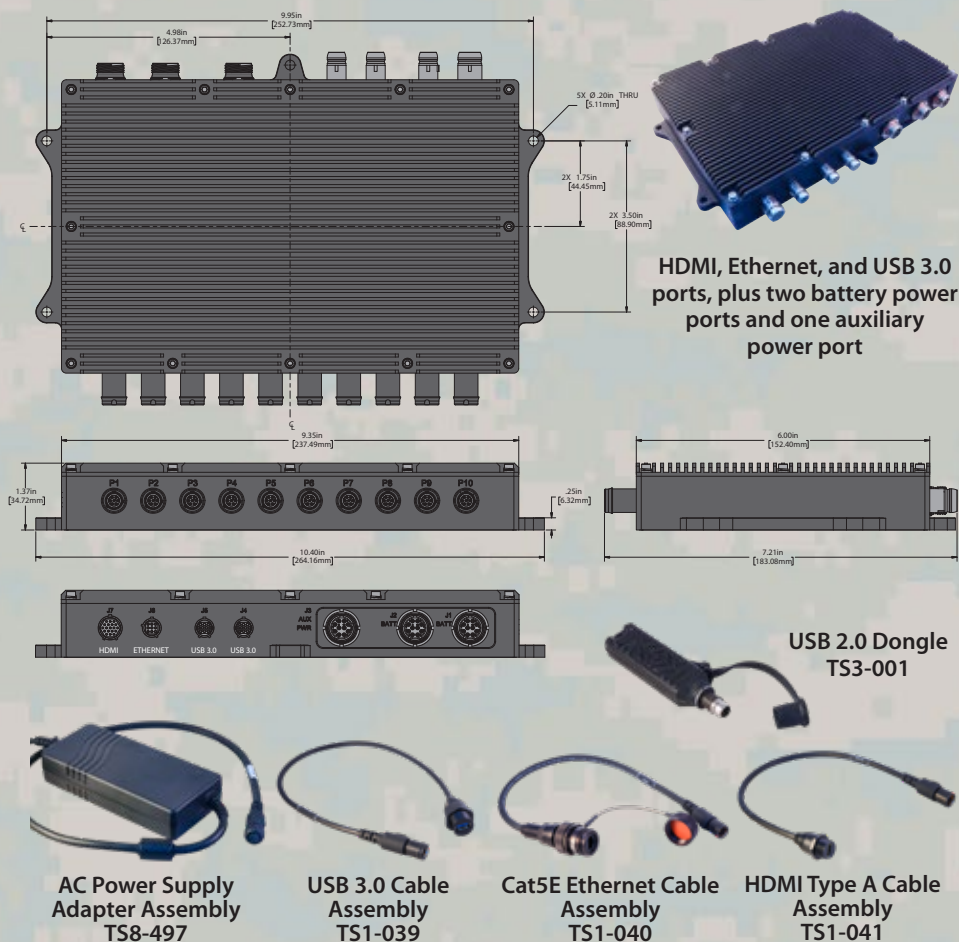
#### HOW TO ORDER

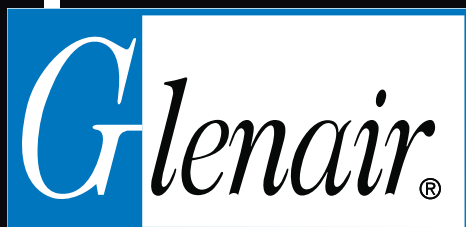
**Sample Part Number:**
**TS8-462**
**Connectorized Hub**

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                     |





## MISSION-CRITICAL INTERCONNECT SOLUTIONS

### Glenair, Inc.

1211 Air Way • Glendale, California • 91201-2497

Telephone: 818-247-6000 • Fax: 818-500-9912 • [sales@glenair.com](mailto:sales@glenair.com)

[www.glenair.com](http://www.glenair.com)

---

#### Glenair Power Products Group

20 Sterling Drive  
Wallingford, CT  
06492

Telephone:  
203-741-1115  
Facsimile:  
203-741-0053  
[sales@glenair.com](mailto:sales@glenair.com)

---

#### Glenair UK Ltd

40 Lower Oakham Way  
Oakham Business Park  
Mansfield, Notts  
NG18 5BY England

Telephone:  
+44-1623-638100  
Facsimile:  
+44-1623-638111  
[sales@glenair.co.uk](mailto:sales@glenair.co.uk)

---

#### Glenair Microway Systems

7000 North Lawndale Avenue  
Lincolnwood, IL  
60712

Telephone:  
847-679-8833  
Facsimile:  
847-679-8849

---

#### Glenair Nordic AB

Gustav III : S Boulevard 46  
SE-169 27 Solna  
Sweden

Telephone:  
+46-8-50550000  
[sales@glenair.se](mailto:sales@glenair.se)

---

#### Glenair GmbH

Schaberweg 28  
61348 Bad Homburg  
Germany

Telephone:  
06172 / 68 16 0  
Facsimile:  
06172 / 68 16 90  
[info@glenair.de](mailto:info@glenair.de)

---

#### Glenair Iberica

C/ La Vega, 16  
45612 Velada  
Spain

Telephone:  
+34-925-89-29-88  
Facsimile:  
+34-925-89-29-87  
[sales@glenair.es](mailto:sales@glenair.es)

---

#### Glenair Italia S.p.A.

Via Del Lavoro, 7  
40057 Quarto Inferiore –  
Granarolo dell'Emilia  
Bologna, Italy

Telephone:  
+39-051-782811  
Facsimile:  
+39-051-782259  
[info@glenair.it](mailto:info@glenair.it)

---

#### Glenair France SARL

7, Avenue Parmentier  
Immeuble Central Parc #2  
31200 Toulouse  
France

Telephone:  
+33-5-34-40-97-40  
Facsimile:  
+33-5-61-47-86-10  
[sales@glenair.fr](mailto:sales@glenair.fr)

---

#### Glenair Korea

B-1304 Gunpo IT Valley  
148 Gosan-Ro, Gunpo-Si  
Kyunggi-Do, Korea  
435-733

Telephone:  
+82-31-8068-1090  
Facsimile:  
+82-31-8068-1092  
[sales@glenair.kr](mailto:sales@glenair.kr)

