STAR-PAN™ IV

Integrated USB data/power distribution hub for ground force commanders, UAS and UGV controllers, and other complex tactical mission specialists

KEY FEATURES/BENEFITS

- Battery Power and +5VBus power to up to 4 USB devices, 2 dedicated Radio ports
- Robust fault mode protection circuitry for surge, reverse voltage, and over current
- Embedded level 3 charge control circuitry for smart battery interface, within a wide charge voltage range
- Compatible with DC power sources
- APS port for system power and main system battery charging on extended missions
- Radio Port Vbus System Hold Up for extended mission time and weight reduction
- Compatible Personal Area Network (PAN) pin configuration and Smart battery interface
- Built-in SMBus to USB converter to USB host device

FEATURES

- 1 designated host/EUD port
- 1 designated radio peripheral port
- 3 PAN receptacles for up to four peripherals
- Battery and auxiliary power source input
- Glenair power port management
- Radio-supplied backup power
- Smart battery charging from auxiliary power
- Up to 5A battery power per port, 5A system total
- Up to 3A 5 Volt VBUS power per port, 5A system total
- Precision-machined construction, integrated connectors
- Heat-efficient electronics packaging to optimize efficiency and extend battery life

Export of STAR-PAN™ USB Hub/Power Distribution systems is restricted and/or controlled by U.S. Department of Commerce Export Administration Regulations

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BATTLE-TESTED

STAR-PAN™ IV

808-273

4 port smart power and data hub system

OVERVIEW

The Glenair STAR-PAN™ IV Hub is a lightweight, durable, compact data and power distribution hub, ruggedized for harsh environment dismounted soldier applications. The connectorized hub provides a data backplane with power monitoring and management to connected external peripherals used in Digitally Aided Close Air Support (DACAS) and other mission applications. The hub is compatible with USB1.1, USB2.0 (full and high speed), and SMBus protocols. STAR-PAN™ IV contains two power inputs for extended missions. One radio port capable of powering up the USB Data backplane and host connection. A dedicated charge port for use with smart batteries and auxiliary power sources including multiple DC power sources such as vehicle power, solar panels, kinetic energy devices or fuel cells. All connector interfaces compliant to NATO STANAG 4695. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

PAN APPLICATIONS

- **Ground force commander**
- **Special operations force team leader**
- **SUAS and UGV controller**

HOW TO ORDER

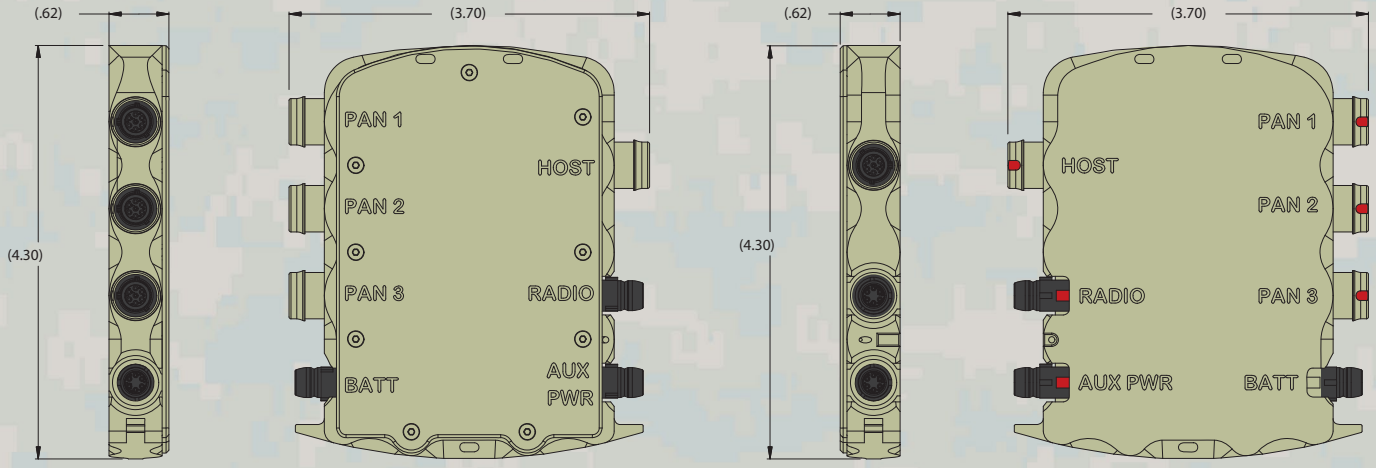
Sample Part Number:	**808-273**
Connectorized Hub	STAR-PAN IV 4-port power/data hub
Hub with MOLLE clip	**808-273-MC** 4-port Power/data hub with MOLLE clip

STAR-PAN IV PORT CONFIGURATION

EUD	1
RADIO	1
PAN	3
POWER	2

PERFORMANCE SPECIFICATIONS

Operating Conditions	
Operating Temperature	-40°C to +55°C
Storage Temperature	-40°C to +80°C
Operation Altitude	9754m
Storage Altitude	15240m
Water Immersion, Mated	MIL-STD-810, Method 512, 1m for 1 hr.; IP67 rated dust / water resistant
Host & Pan 1–3	
Battery Voltage	10.0V to 20.0V, 14.8V typical
Battery Supply Current	5A Maximum per individual port
+5V Backup Total Supply Current	5A based on radio supply, Radio 1 primary
Radio Port	
Battery Voltage	10.0V to 20.0V, 14.8V typical. Highest priority for power management
Battery Supply Current	5A maximum per individual port
+5V Back Up Supply Current	1.2A typical, 3A max, based on radio supply, radio 1 primary
+5V Back Up Supply Current	.5A per port
Auxiliary Power Supply Port	
Auxiliary Voltage Source	10V to 36V
Auxiliary Supply Current	5 A maximum system supply current
Battery Port	
Battery Input Voltage	10V to 20V
Battery Supply Current	5A maximum system supply current
Battery Charge Current	3A



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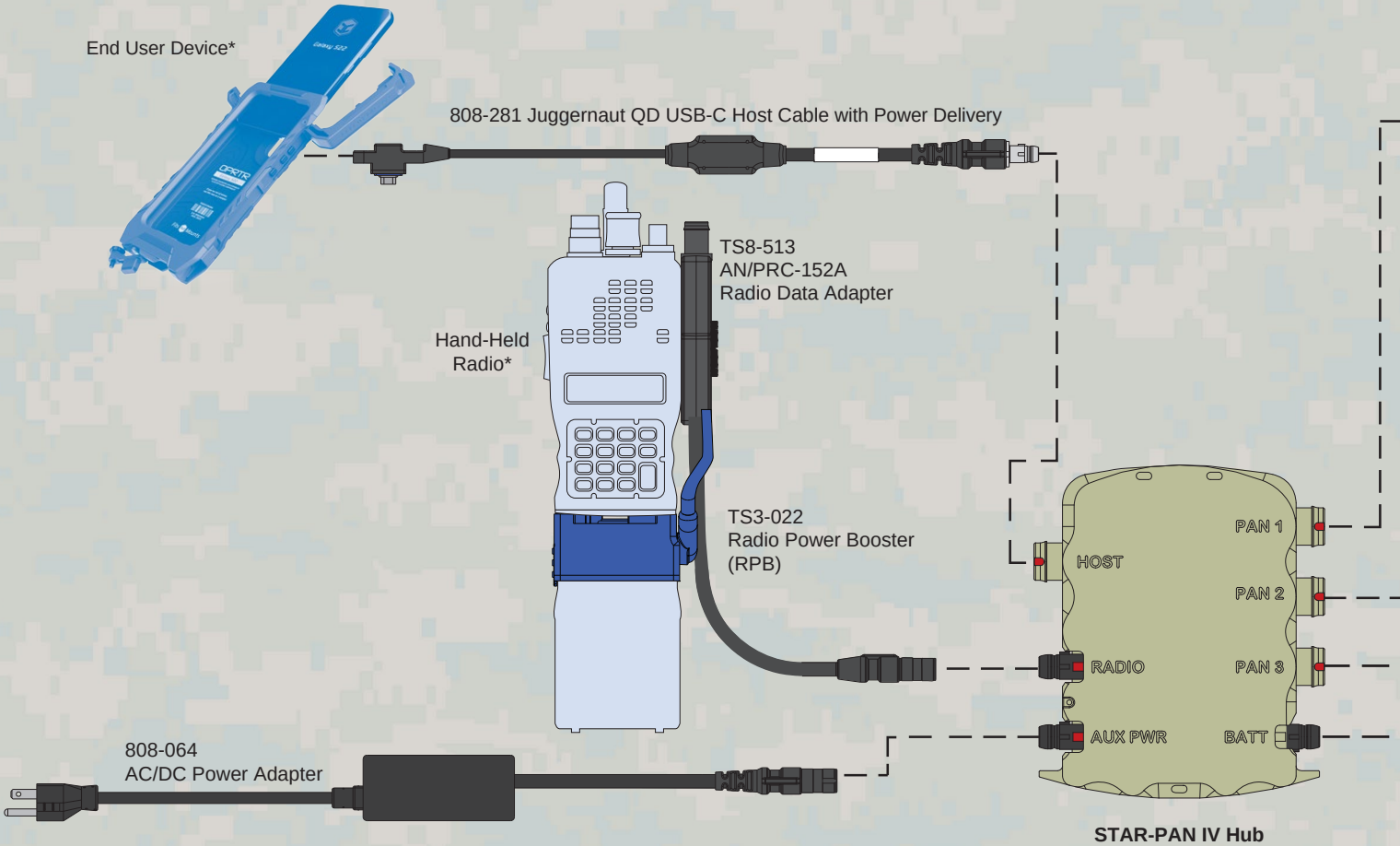
STAR-PAN™ IV

808-273 4 port smart power / data hub system Configuration diagram

STAR-PAN VI CAPABILITY DIAGRAM

- 1 designated host/EUD port
- 1 designated radio peripheral port
- 3 PAN receptacles for up to four peripherals
- Battery and auxiliary power source input
- Glenair power port management
- Radio-supplied backup power
- Smart battery charging from auxiliary power
- Up to 5A battery power per port, 5A system total
- Up to 3A 5 Volt VBUS power per port, 5A system total



STAR-PAN IV Hub 808-273 precision-machined construction enclosure with IP68 sealed ports

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Dimensions are subject to change without notice.

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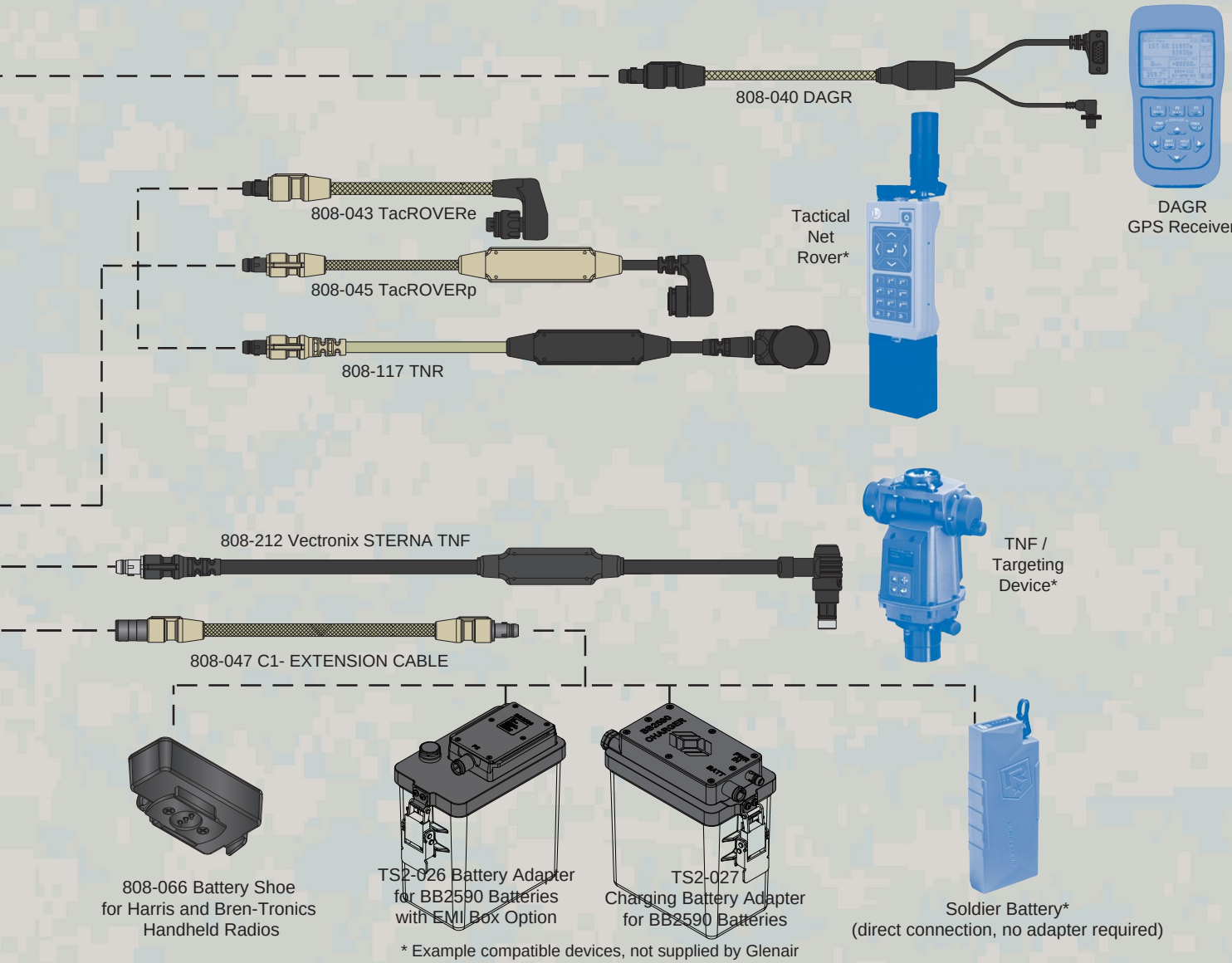
STAR-PAN™ IV

808-273 4 port smart power / data hub system Configuration diagram

GLENAIR STAR-PAN TECHNOLOGY ILLUSTRATED IN THIS CAPABILITY DIAGRAM

STAR-PAN Component Description	Part Number
STAR-PAN IV Multiport USB and Power Distribution Hub	808-273
STAR-PAN General-Purpose Extension Cable	808-047
DAGR GPS/Navigation Cable	808-040
PRC 152A Radio Data Adapter	TS8-513
Juggernaut Host Cable with Power Delivery	808-281
TacROVER-E ISR Receiver Cable	808-043
TacROVER-P SIR 2.0 ISR Receiver Cable	808-045
Tactical Net Rover ISR Receiver Cable	808-117
STERNA TNF Adapter Cable	808-212
BB2590 Battery Adapter	TS2-026
Radio Power Booster	TS3-022
AC/DC Power Adapter Cable	808-064



* Example compatible devices, not supplied by Glenair

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STAR-PAN™ IV

STAR-PAN IV accessories

TS4-018 MOLLE pouch • TS3-001 USB Flash drive

STAR-PAN IV MOLLE pouch

MOLLE POUCH SPECIFICATIONS

- Desert tan Cordura
- Single-button snap-lock for mounting on MOLLE loops
- Front loop Velcro securely retains STAR-PAN IV hub

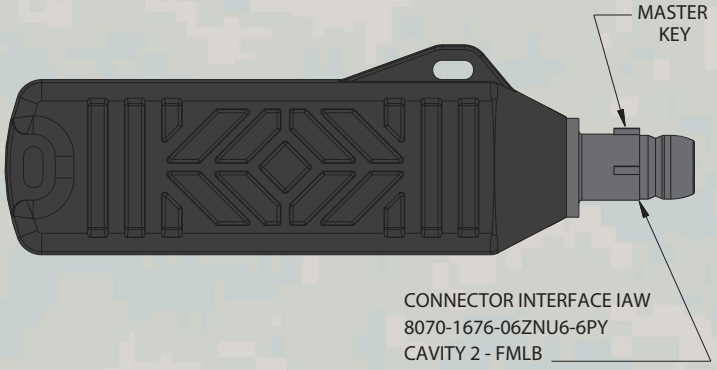
HOW TO ORDER		
Sample Part Number:	**TS4-018**	**-T**
STAR-PAN MOLLE Pouch	STAR-PAN IV MOLLE pouch	
Color Option	**-T** = Tan **-C** = Camo	

STAR-PAN USB Flash drive

USB FLASH DRIVE SPECIFICATIONS

- Ergonomic black overmold
- 8, 16, 32, and 64 Gb capacities available
- Works with all STAR-PAN hubs

HOW TO ORDER		
Sample Part Number:	**TS3-001**	
Accessory Series	STAR-PAN USB Flash drive	
Flash Drive Size	**Omit** for default 64 Gigabyte **-08** = 8Gb **-16** = 16Gb **-32** = 32Gb	



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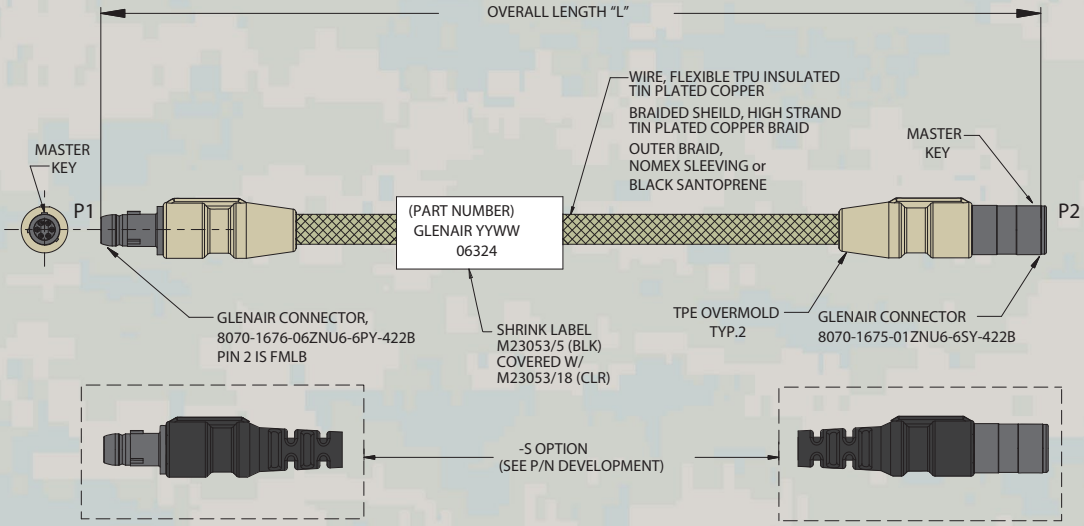
STAR-PAN IV accessories
808-047 General-Purpose STAR-PAN Cable

General-Purpose STAR-PAN Cable

- Olive drab Nomex® braided cable, or black Santoprene-jacketed cable
- Overmolded, ergonomic connector strain reliefs, desert tan or black
- Mighty Mouse 807 (NATO standard) connectors
- Weight, 24" cable: 50g
- Export classification: ECCN 3A611.x

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

STANDARD CABLE FOR USE WITH ALL MIGHTY MOUSE 807-EQUIPPED ADAPTER CABLES, EUDs, BATTERIES, AND PERIPHERALS

HOW TO ORDER

Sample Part Number:	**808-047**		**-36**
Cable Series	General-Purpose STAR-PAN cable		
Cable Jacket Option	**-S** = Black Santoprene Jacket **Omit** for standard Olive Drab Nomex		
Length Designator	In inches. **Omit for default length of 24.00"**		
	[NATO NSN **5995-01-668-8636**]