JTAC (DACAS)

Power / Data Hub Support for Digitally Aided Close Air Support Missions

Glenair®

STAR-PAN™ VI

Integrated USB data/power distribution hub for digitally aided close air support (DACAS) and other combined mission commander / JTAC applications

Digitally Aided Close Air Support or DACAS is a specialized mission profile coordinating air and ground targeting and fires control. DACAS is defined as "air action by fixed-wing and rotary-wing aircraft against hostile targets that are in close proximity to friendly forces and requires detailed integration of each air mission with the fire and movement of those forces". The Joint Terminal Attack Controller, or JTAC, is the specialized authority on the ground who, in coordination with air and ground commanders, controls the maneuvering and targeting of air assets and ultimately grants weapons release clearance to attacking aircraft. Each service branch organizes, trains, and equips its own JTAC specialists, which means both a wide range of aircraft may be engaged in the mission, as well as a dizzying array of supporting digital equipment on the ground including multiple radio comm formats, digital video downlink, surveillance and targeting, drone reconaissance, and more. The STAR-PAN™ VI integrated system is designed to perfectly mesh with JTAC requirements for radio, power, and peripheral device support to extend the length and effectiveness of JTAC / DACAS missions.

WARFIGHTER REQUIREMENTS

- ■ MIL-STD-810 harsh-environment performance
- ■ Compliance to both US and NATO STANAG 4695 connector interfaces
- ■ Interoperability with soldier EUDs, radios, and C4ISR technology
- ■ Scalable systems IAW soldier mission profiles
- ■ Smart power: battery power management for weight reduction
- ■ Plug-and-play ATAK integration
- ■ Hot-swappable power sourcing and support for radio-supplied backup power
- ■ Durable, flexible cabling
- ■ Intuitive hookup and operation of all equipment

OVERVIEW

The Glenair STAR-PAN™ VI 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. All connector interfaces compliant to NATO STANAG 4695. Recommended: general-purpose C1 cable for EUD, battery, and peripheral connectivity.

TYPICAL RANGE OF TECHNOLOGY IN STAR-PAN VI INTEGRATED SYSTEMS

STAR-PAN Component Description	Part Number
STAR-PAN VI Multiport USB and Power Distribution Hub	808-037
STAR-PAN General-Purpose Extension Cable	808-047
DAGR GPS/Navigation Cable	808-040
RT-1922 MicroLight SADL Radio Cable	808-044
PRC 152A Radio Data Adapter	808-032
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
PLRF 15C/25C Laser Range Finder Cable	808-049
USB 2.0 Adapter Cable	808-053
Hand-Held Radio Battery Adapter	808-066
BA5590/BB2590 Battery Shoe	808-048
Radio Power Booster	TS3-022
AC/DC Power Adapter Cable	808-064
STAR-PAN VI Quick-Start User's Guide	990-TS003

EXAMPLES OF SUPPORTED RADIO AND C4ISR DEVICES USED IN STAR-PAN VI INTEGRATED SYSTEMS

Tactical EUD Juggernaut.Case with Adapter Cable

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

Second Hand-Held Radio with Cable

Conformal Battery with Adapter Cable

USB Adapter Cable for One Additional Device

Auxiliary BA5590/ BB2590 Battery with Battery Shoe

Safran Vectronix STERNA TNF with Data Cable

DAGR GPS with Navigation Cable

TacRover Video Downlink with Adapter Cable