



**KLAS
TELECOM**



PIONEER EXPRESS

(GRRIP, AN/PSC-15)

Mobile Solutions TS/SCI and Below

Klas Telecom's Pioneer Express (GRRIP, AN/PSC-15) is a small and lightweight flyaway communications system that allows access to secure and non-secure networks for first-in communicators. Weighing just twenty-eight pounds and with all necessary operational components and accessories fitted neatly into a single, ruggedized case measuring 16.54" x 13.03" x 6.84", the Pioneer Express is the only choice for the "Grab and Go" mission requirement. The system accepts a wide range of AC and DC inputs and the internal battery provides up to three hours of operation. It has a quick set up time of four minutes, and has everything required to deploy a mobile office in the field including a laptop, red-side router, black-side router, phone handset, power cables and satellite terminal for remote operation at broadband speeds. The Pioneer Express is offered in several configurations supporting either the L3 TALON 1 or 2, the Harris SecNet-54/KIV-54, or KG-250XS encryption devices, and a BGAN satellite terminal.

ENABLED FOR:



TALON 1 / 2



KG-250XS

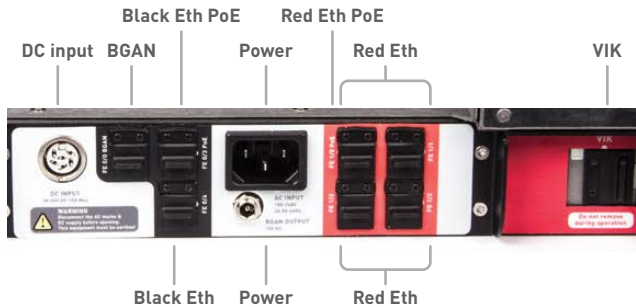


SECRET 54



Customer names and product names are not confidential, but may be used for marketing purposes. Photos are for illustrative purposes only. All trademarks are the property of their respective owners.

PIONEER EXPRESS (GRRIP, AN/PSC-15)



Key Features

- Rugged carry-on case measuring 16.54" W x 13.03" L x 6.84" H
- Separate red and black-side routers utilizing Cisco 5915 ESR and the VoyagerESm Layer 3 switch
- Encryption with support for Talon 1 and Talon 2 HAIPe devices along with SecNet 54/KIV-54 and KG-250XS
- Voice and video conferencing using the included telephone handset and webcam
- Panasonic CF-19 laptop with standard office applications such as Email, Internet, etc.
- BGAN User Terminal (UT) for remote access to the home network

Component List

- Pelican 1450 type case with built-in storage compartments
- Core module with battery backed red-side and black-side routers
- BGAN satellite terminal
- Cobham BGAN Explorer 2 Wire phone handset (403625B)
- Logitech C310 webcam
- Panasonic CF-19 laptop
- Brackets for mounting the Talon 1 and Talon 2 encryption device

Specifications

Physical

- 16.54" W x 13.03" L x 6.84" H (420 mm x 331 mm x 174 mm)
- 28 lb (12.7 kg)
- Fully sealed, waterproof case
- All components fit in single case

Electrical

- 110-230 VAC auto-sensing and auto-switching
- 10-36 VDC auto-sensing
- Battery backup for 3 hours for all devices in the system, (external battery pack or solar options provide 12-15 hours of operation)
- Compatible with standard 12 VDC/10 A car sockets
- Contains Uninterruptible Power Supply (UPS) with auto-changeover
- Battery is user accessible and removable

Temperature

- Operating temperature: 0°C to 40°C
- Storage temperature: -20°C to 60°C

Standards Compliance

- MIL-STD-810F
- CE, FCC Part 15B
- RoHS

Crypto

- Pioneer Express is available with the following Type 1 encryption devices:
 - Talon 1
 - Talon 2
 - SecNet 54 / KIV-54
 - KG-250XS
- Fully tested over BGAN
- FIPS 140-2 Black-side VPN
- Supports external crypto such as KG-250, KG-175
- Designed to meet Tempest requirements for red and black devices

Voice

- Built-in handset (Cobham BGAN Explorer 2 Wire Handset)
- Makes mobile-to-gateway (PBX), mobile-to-mobile, mobile-to-cellular, mobile-to-STE calls
- Can be integrated into any SIP-based VoIP infrastructure (extension of red switch networks)
- Buffers for high jitter network

Applications

- Use standard desktop applications over satellite
- Microsoft Outlook optimized for email and attachments
- Microsoft Sharepoint optimized for viewing, uploading and downloading

Satellite Network

- Designed for a BGAN satellite terminal which is stored in the case when not in use
- Powered by AC and DC
- Extensively tested

Acceleration

- Designed for high latency networks
- Designed for high jitter
- Reacts quickly to changes in bandwidth
- Accelerates all standard TCP/IP applications including Microsoft Outlook, Microsoft Sharepoint, and web browsing

Network

- Supports up to four external red laptops
- Supports one external black laptop
- Supports one red-side voice port
- Supports BGAN, hotel broadband and VSAT