PIONEER
EXPRESS

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 harnessing the power of the VoyagerVMm to provide giga-bit Ethernet connectivity with optional LTE/Wi-Fi backhaul. It's a CSFC- ready, future-proofed, best in class piece of technology that offers the best value in it's field.

Weighing just 36.4 lb and with all necessary operational components and accessories fitted neatly into a single, ruggedized case measuring 22" x 14" x 9", 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, power cables and satellite terminal for remote operation at broadband speeds.

(GRRIP, AN/PSC-15)

KEY FEATURES

- Rugged carry-on case measuring 22" W x 14" L x 9" H
- Separate red and black-side routers utilizing KRTv4 ESm and Cisco 5915 ESR
- Encryption with support for a KG-250XS device
- Voice capability using Cisco WebEx teams or other soft clients on laptop
- Panasonic CF-20 laptop with standard office applications such as Email, Internet, etc.
- VoyagerVMm supports a range of routing stacks including Cisco, Aruba, Palo Alto and KlasOS Keel

COMPONENTS

- Pelican 1510 type case with built-in storage compartments
- Core module with battery backed red-side and black-side routers based on VoyagerVMm
- Logitech C310 webcam
- Panasonic CF-20 laptop

Portable   Rugged   Low Power

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KLAS

PIONEER
EXPRESS
Specifications

PHYSICAL SPECIFICATIONS

- Physical
- 22" W x 14" L x 9" H (559 mm x 356 mm x 229 mm)
- 36.4 lb (16.5 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: 0oC to 40oC
- Storage temperature: -20oC to 60oC
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STANDARDS COMPLIANCE

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

CRYPTO

- Pioneer Express is available with the KG-250XS encryption device
- Fully tested over BGAN
- FIPS 140-2 Black-side VPN
- Designed to meet Tempest requirements for red and black devices

VOICE

- Voice capability using Cisco WebEx teams or other soft clients on laptop

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
- Powered by AC and DC
- Extensively tested

NETWORK

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

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