PIONEER
EXPRESS

Since 2007, Klas Pioneer Express (GRRIP, AN/PSC-19) has been the standard for all-in-one remote access to secure networks for small teams.

The all-new Pioneer Express 5.1 provides faster networking, compute, and support for both CSfC and Type 1 HAIPE, all in a compact form factor.

Supported by a range of global service points, Pioneer Express makes access to secure networks in remote locations easy.

KEY FEATURES

- Rugged carry-on case measuring 22" W x 14" L x 9" H (559 mm x 351 mm x 229 mm)
- Red and black networking functions for use with Type 1 encryption device
- Built-in laptop with standard applications such as email, internet, etc.
- Support for voice, videoconferencing, and any IP-based data application
- Global reachback capability using Inmarsat BGAN satellite terminal
- Internal battery backup with charging from AC or DC sources

PORTABLE   **RUGGED**   **LOW POWER**

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KLAS

ORDERING INFORMATION

- Part No: KLAS-FACP-0001-K-R51

PHYSICAL SPECIFICATIONS

- 22" W x 14" L x 9" H (559 mm x 356 mm x 229 mm)
- 41. 5 lb (18.8 kg)
- Fully sealed (IP67) waterproof case
- All components fit in single case

TEMPERATURE

- Operating temp: -20º C to 40º C
- Storage temp: -20º C to 60º C

NETWORK

- Supports up to 4 external red laptops
- Supports up to 4 external black laptops
- Supports BGAN, hotel broadband, and VSAT

STANDARDS COMPLIANCE

Designed to meet:

- MIL-STD-810H
- CE, FCC Part 15B
- RoHS
- IP67/Def Stan 81-84

COMPONENTS

CORE MODULE

- Space for 2 x VoyagerVMm devices
- Space for KG-250XS HAIPE encryptor or GoSilent Cube CSfC retransmission device (not included)
- 72Wh UPS providing battery backup to VoyagerVMm and HAIPE/GoSilent (based on Voyager 1+)
- 2 x 15 VDC outputs to charge BGAN/laptop (active when AC or DC external power is connected)
- Built-in 250W AC/DC
- DC input connector with cable for use with 2590 battery
- 15" W x 10" L x 3.3" H (382 mm x 254 mm x 83 mm)
- 9.9 lb (4.5 kg)

PANASONIC LAPTOP (FZ-G2C5-00AM)

- Federal Specific
- Intel Core i5-10310U
- 1.7GHz vPro (4.4 Ghz), 16 GB
- 10" screen
- 512GB OPAL SSD (quick release)
- Standard battery
- TPM 2.0
- CF-SVCBIOS1-Custom BIOS

HUGHES 9211 BGAN (NOT INCLUDED)

- Class 1 BGAN terminal
- Over 650 kbps broadband speeds
- User friendly LCD display with 4-button control
- Rechargeable lithium ion battery
- Extensively tested, rugged IP65 rating

VOYAGERVMM AMD V2516

- AMD V2516 6C
- 16 GB RAM, 1TB storage
- 6 x 1 Gbps ports.
- 5 user ports on red including built-in laptop
- 4 user ports on black
- Includes VMware ESXi or KlasOS Keel
- Validated with Virtual Network Functions (VNFs) including Cisco Catalyst 8000v, ASAv, Palo Alto, Aruba

KLASOS KEEL

- Lightweight KVM-based hypervisor with extensive networking capabilities
- Can be used without additional VNF as a red-side router.. See KlasOS Keel features at www.klasgroup.com/keel/

VIASAT KG-250XS (NOT INCLUDED)

- Certified HAIPE Type 1 encryption device
- Over 100 Mbps (aggregate)
- 5 W (typical)

GOSILENT CUBE (NOT INCLUDED)

- NSA CSfC certified firewall
- 5V @2A DC via MicroUSB

TRX R2 (NOT INCLUDED)

- Combined CSfC certified firewall and cellular gateway
- Modems
- Wi-Fi

KLAS