

# PIONEER EXPRESS

Since 2007, Klas Pioneer Express (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 Type 1 HAPE, 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 13.8" L x 9" H (559 mm x 351 mm x 229 mm)
- PT (red) and CT (black) networking functions for use with a Type 1 HAPE encryptor
- 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 Voyager 1+ battery backup with charging from AC or DC sources



PORTABLE



RUGGED



LOW POWER

# PIONEER EXPRESS

## Specifications



### ORDERING INFORMATION

- Product No: KLAS-FACP-05100-K

### PHYSICAL SPECIFICATIONS

- 22" W x 13.8" L x 9" H (559 mm x 356 mm x 229 mm)
- 44.975 lb (20.4 kg)
- Fully sealed (IP67) waterproof case
- All components fit in a single case

### TEMPERATURE

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

### NETWORK

- Supports up to four external PT laptops
- Supports up to four external CT laptops
- Supports BGAN, hotel broadband, and VSAT

### STANDARDS COMPLIANCE

Designed to meet:

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

### COMPONENTS

#### Core Module

- Space for 2 x VoyagerVMm 2.0 devices
- Space for KG-250XS HAIPE encryptor (not included)
- 75 Wh UPS providing battery backup to VoyagerVMm 2.0 and HAIPE
- 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

#### Voyager 1+

- Lithium ion rechargeable battery
- 120 W output
- 75 Wh battery backup power (including PoE)
- 12 V output to power a ViaSat KG-250XS HAIPE Encryptor

#### VoyagerVMm 2.0

- AMD V2516 16GB RAM (Zen 2 x86 CPU with Radeon™ Vega GPU)
- Integrated security (on-chip AMD Secure Processor)
- 1 TB VIK+ SED removable NVMe storage device
- 6 x 2.5 Gbps RJ45 interfaces (incl. 2 x PoE)
- 10 - 18 VDC (22 W) input
- 4K HD video support at 60Hz
- Multithread support for VDI and cloud-based services
- Passive cooling
- Compatible with Voyager m-Series devices and chassis

#### KlasOS Keel

- Lightweight KVM-based hypervisor with extensive networking capabilities
- Can be used without additional VNF as a PT-side router. See KlasOS Keel features at [www.klasgroup.com/keel/](http://www.klasgroup.com/keel/)

#### 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

#### Viasat KG-250XS (not included)

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