

# VOYAGER/8 Plus

As traditional reachback network architectures are supplemented by the need to analyse data on the edge of the network, your compute and communications requirements have grown.

The Voyager 8 Plus chassis increases the power budget of Voyager 8 by 50% to support Klas' Xeon-based compute modules and the expanding range of radio interface brackets.

This provides access to the data that you need in-theater and the ability to analyse and disseminate it.

Can be configured as a tactical data storage network, tactical radio integration system, cross domain suite and more.



## KEY FEATURES

Supports the full range of Voyager network modules to provide:

- Routing & switching
- VoIP
- Server virtualization
- Radio Integration
- WAN acceleration
- Storage
- UPS
- Satellite, terrestrial and cellular backhaul

Compute module on the rear of the Voyager 8 Plus runs KlasOS Keel and hence provides many familiar features such as a Cisco like CLI for management, SSH, SNMP, and a built-in hypervisor. Features include:

- LCD display which can be configured to show battery status information
- Monitoring of battery state and input power state via SMBus and PMBus

- Reporting of battery and power state
- User authentication, SSH access, etc. using the same KlasOS codebase as for Common Criteria approved products
- Built-in hypervisor to allow deployment of a GuestOS, for example, a lightweight management suite to monitor the installed modules



Portable



Rugged



Low Power

### EMEA:

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# KLAS

# VOYAGER/8 Plus

## Specifications



### TRANSIT CASE SPECIFICATIONS

#### PHYSICAL SPECIFICATIONS

- 18.8" x 22.5" x 10.1" (478 x 571 x 257mm)
- 21.35kg (47lbs) (excluding batteries)

#### CONSTRUCTION

- Aerospace-grade, carbon fiber monocoque built from single mold structure for maximum strength
- Milled aluminum handles
- O-ring seal around front and rear lids
- Pressure equalization valve

#### HANDLES AND WHEELS

- Retractable extension handle
- Handles on top and bottom of case
- Dual heavy duty plastic wheels

### CHASSIS SPECIFICATIONS

#### PHYSICAL SPECIFICATIONS

- 5U 19-inch rack (additional chassis shelf required - sold separately)

#### ELECTRICAL INPUT SPECIFICATIONS

- 21-34 VDC (38 Amp maximum)
- 90-264 VAC (< 10 Amp at 100 VAC)
- Max input current of 10 Amp allowed for NEMA Sockets and Voyager 8 Plus

#### ELECTRICAL OUTPUT SPECIFICATIONS

- 8 x 12 VDC at 120 W and 28 VDC at 120 W. The total slot power is 560W
- 8 x 52 VDC outputs in backplane for PoE support (PoE power available is 200W)
- 2 x AC outputs available when AC input is present (these outlets are not filtered but are fused to 10 Amp. Please check the powered device for voltage range before using)

#### UPS

- 3 x BB-2590 batteries (available in high capacity for extended operation or lower capacity to comply with IATA regulations)

### COMPUTE MODULE

- Intel® Atom™ x5-E3930 dual core processor with 1.3 GHz core frequency up to 1.8 GHz
- 2 MB L2 cache
- 2 GB 2133 MT/s LPDDR4 onboard memory and 16 GB eMMC onboard flash
- 1 Gb Ethernet and console port interface

#### CONSTRUCTION

- Aluminum sheet metal
- Milled aluminum latches
- Eight (8) Voyager network module slots (for use with or without Voyager 1 battery attached to modules)

#### OPERATING TEMPERATURE RANGE

- -10°C to 50°C

#### STORAGE TEMPERATURE RANGE

- -10°C to 85°C

#### COMPLIANCE

Designed to meet:

- IP67 case
- MIL-STD-810H
- MIL-STD-461G



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