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:
Klas,
4th Floor, One Kilmainham Square,
Inchicore Road, Kilmainham,
Dublin 8, Ireland
DO8 ET1W.
Tel: +353 1 6624270

US
Klas Government,
1101 30th Street NW,
Suite 500, Washington,
DC 20007.
Tel: +1 202-625-8315

www.klasgroup.com
TRANSIT CASE SPECIFICATIONS

PHYSICAL SPECIFICATIONS
• 18.8” x 22.5” x 10.1” (478 x 571 x 257mm)
• 213.5kg (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 88-2590 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

EMEA:
Klas,
4th Floor, One Kilmainham Square,
Inchicore Road, Kilmainham,
Dublin 8, Ireland
DO8 ETIW.
Tel: +353 1 6624270

US
Klas Government,
1101 30th Street NW,
Suite 500, Washington,
DC 20007.
Tel: +1 202-625-8315

www.klasgroup.com