Voyager VM

Virtualisation technologies have changed the deployment models of many common server-based applications. The availability of software routing solutions such as Cisco CSR 1000V, call management technologies like Cisco Unified Communications Manager, and WAN acceleration technologies such as Cisco WAAS, Citrix WAN scaler and Riverbed Steelhead as virtual machines has provided considerable ability to maximise hardware resources

in tactical applications. Klas Telecom has developed the VoyagerVM platform as a modular system based on a common carrier board with an expanded set of physical interfaces demanded for tactical operations, such as Ethernet, console, DisplayPort/HDMI and removable solid-state storage. This solution provides the optimum performance within SWaP constraints for an austere environment while positioning critical resources local to the point of use.

COMMUNICATE MORE, CARRY LESS

KLAS
TELECOM

Specifications

Physical
- 18.8 × 16.0 × 5.2 cm (W×L×H)
- 1.6 kg (excluding SSDs)

Electrical Specifications
- 9-36VDC Input
- 55 W power consumption

Construction
- Aluminum chassis with integrated active cooling for increased temperature ranges

Operating Temperature Range
- -32 to 50 °C
- 0°C to 50°C for 16-core option

Removable Storage
- Removable SATA Dual SSDs (SSDs quoted separately)
- Removable NVMe Voyager Ignition Key (VIK+)

Ports
- 2 x 10 Gb SFP+ ports
- 2 x 1 Gb Ethernet ports
- 2 x SATA interfaces
- 2 x USB 3.0 interfaces
- VGA port
- RJ-45 serial console port with hypervisor access
- Removable NVMe Voyager Ignition Key (VIK+) optional removable storage for hypervisor and/or configuration data

Software Support
- KlasOS Keel KVM-based hypervisor
- VMware ESXi 6.x
- Cisco NFVIS with:
  - Cisco KVM-based Hypervisor
  - Cisco CSR 1000v
  - Cisco ASAv
  - Riverbed Steelhead
  - Palo Alto

CPU Options
- Intel® Pentium® Processor D-1519 4-Core with 16 GB RAM (order time option up to 96GB RAM)
- Intel® Xeon® Processor D-1539 8-Core with 48 GB RAM (order time option of 96 GB RAM)
- Intel® Xeon® Processor D-1559 12-Core with 48 GB RAM (order time option of 96 GB RAM)
- Intel® Xeon® Processor D-1577 16-Core with 48 GB RAM (order time option of 96 GB RAM) RAM
- 8 or 16 GB DDR3 options

Management
- BIOS & Hypervisor CLI over console
- IPMI

Key Features

- Available with a choice of processors:
  - Intel® Pentium® D-1519 4-core
    - 16 GB RAM with option to upgrade to 96 GB
  - Intel® Xeon® D-1539 8-core
    - 48 GB RAM with option to upgrade to 96 GB
  - Intel® Xeon® D-1559 12-core
    - 48 GB RAM with option to upgrade to 96 GB
  - Intel® Xeon® D-1577 16-core
    - 48 GB RAM with option to upgrade to 96 GB
- Two 2.5" SSD slots
- NVMe-based VIK+ with 512 GB storage
- Two 10 Gb SFP+ ports
- Two 1 Gb copper ports
- Rugged enclosure with active air cooling
- Supported in Voyager 1 and Voyager 8
- Supports KlasOS Keel, VMware ESX/ESXi, Cisco NFVIS, and Microsoft Hyper-V hypervisors

Certified System
Quality
ISO 9001
SAI GLOBAL