

VOYAGER/VM 3.0

VoyagerVM 3.0 is the latest generation of the Voyager compute platform. Based around Intel's Xeon D architecture, it is designed from the outset to provide maximum performance while operating in temperatures up to 50° C.

VoyagerVM allows applications built for the datacenter to migrate to the edge of the network.

VoyagerVM supports Microsoft Hyper-V and is VMware Ready.



KEY FEATURES

Available with a choice of processors:

- 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
- Supports Microsoft Hyper-V, Nutanix AHV, VMware ESX/ESXi and KlasOS Keel
- VMware vSAN and Nutanix AOS certified
- BMC over Ethernet for secure centralized management
- NIAP Common Criteria Certified as a firewall with KlasOS Keel
- NSA CSfC component listed [Traffic filtering firewall]



SECURE



PORTABLE



RUGGED

VOYAGER/VM 3.0

Specifications



ORDERING INFORMATION

- **8-Core CPU:** KLAS-VOY-VM1539
- **12-Core CPU:** KLAS-VOY-VM1559
- **16-Core CPU:** KLAS-VOY-VM1577

(RAM variants for each CPU option are available at order time.)

PHYSICAL SPECIFICATIONS

- 7.4" W x 6.3" L x 2" H (188 x 160 x 52mm)
- 3.5 lb / 1.6 kg (without SSDs)

ELECTRICAL SPECIFICATIONS

- 9-36 VDC input
- Power consumption:
 - 8-Core (D-1539): 55 W
 - 12-Core (D-1559): 65 W
 - 16-Core (D-1577): 65 W

CONSTRUCTION

- Aluminum chassis with integrated active cooling for increased temperature ranges

OPERATING TEMPERATURE RANGE

- -32°C to 50°C (-25.6°F to 122°F)
- 0°C to 50°C (32°F to 122°F) for 16-core option

STORAGE TEMPERATURE RANGE

- -40°C to 85°C (-40°F to 185°F)
- -20°C to 80°C (-4°F to 176°F) for 16-core option

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
- RJ45 serial console port with hypervisor access
- Removable NVMe Voyager Ignition Key (VIK+) optional storage for hypervisor and/or configuration data

CPU OPTIONS

- 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)

REMOVABLE STORAGE

- Removable SATA dual SSDs (SSDs not included and are quoted separately)
- Removable NVMe Voyager Ignition Key (VIK+)

SOFTWARE SUPPORT

Example supported software:

- KLAS OS Keel KVM-based hypervisor
- VMWare ESXi 6.x
- Cisco NFVIS
- Nutanix AHV
- Cisco C8000v
- Cisco ASAv
- Riverbed Steelhead
- Palo Alto
- Windows Server

MANAGEMENT

- BIOS & hypervisor CLI over console
- BMC over Ethernet

COMPLIANCE

- NIAP Validation Report Number: CEVS-VR-VID11436-2024
- NSA CSfC component listed

Designed to meet:

- MIL-STD-810
- MIL-STD-461
- FCC Part 15 B
- CE
- RoHS, REACH

