



KLAS TELECOM



VOYAGER NAS

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VoyagerNAS provides a combined compute and network attached storage (NAS) capability in a Voyager form factor. VoyagerNAS has eight 2.5" SATA or SAS solid state disk that provide up to 32 TB of raw storage.

When installed in the Voyager 8 UPS transit case, VoyagerNAS is battery backed and can be integrated in a VMware cluster for ease of management. VoyagerNAS supports NetApp Data OnTAP Edge providing data replication to a central NetApp Data installation.

With VoyagerNAS, users can have local access to large volumes of data common to map servers, file stores and other services without having to rely on expensive or low bandwidth backhaul.



Figure 1 VoyagerNAS . Note front panel ports may vary.

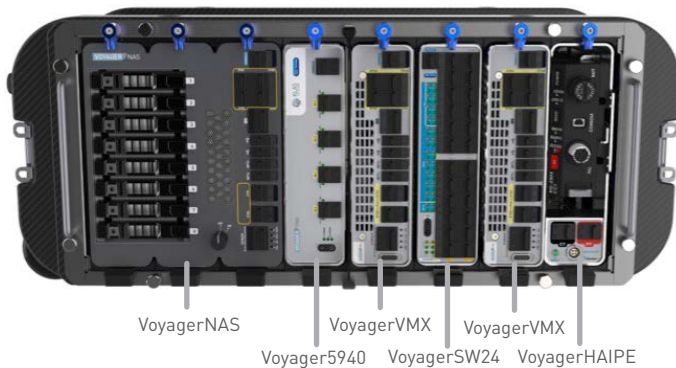


Figure 2 VoyagerNAS in Voyager 8 chassis with two VoyagerVMX modules along with a Voyager5940, VoyagerSW24 and VoyagerHAIPE.

Key Features:

- Network attached storage with eight drive bays spanning three slots in the Voyager 8 chassis
- Up to 32 TB of storage
- Intel® Xeon® Quad-Core processor (E3-1278L v4) with 32 GB RAM & virtualization
- Supports hardware RAID levels 0,1, 5, 6, 10, 50, 60
- Write cache protection
- Supports up to eight 2.5" SSDs. SAS & SATA supported
- Six Gigabit Ethernet ports

Specification

Physical

- 7.4" H x 6.4" W x 7.8" D (188 x 162.5 x 198.12 mm) spanning 3 Voyager module slots in Voyager 8 transit case
- 10.4 lb (4.7 kg)
- Power
 - 12 VDC input
 - 120 W while in operation
- Aluminum chassis
- Operating temperature range 10°C to 45°C

Ports

- 8 x 2.5" SATA and SAS I/II/III Solid State Disk slots
- 6 x Gigabit Ethernet ports
- 1 x DisplayPort++
- 2 x USB 2.0 interfaces
- 2 x USB 3.0 interfaces
- 1 x Storage port (VIK)

Processor Specifications

- Intel® Xeon® E3-1278L v4 Processor
- 32 GB DDR3L RAM
- 4 cores / 8 threads
- Clock speed 2.0-3.3 GHz
- Intel vPro / IPMI, Intel Virtualization Technology (VT-x, VT-d)
- IPMI management

RAID Specifications

- 12 Gbps SAS; 6Gbps SATA
- RAID 0, 1, 5, 10, 50, 60
- Dual-core LSISAS3108 with 1 GB cache
- 8 internal ports; 8 external drives through SAS expander

Software

- VMware vSphere ESXi 6.0 pre-installed on Voyager Ignition Key
- Range of storage operation systems supported including VMware iSCSI, FreeNAS and NetApp Data ONTAP Edge Premium (Edge-T), EMC vVNX
- Other guest Cisco IOS supported such as Cisco CSR1000v, 5921 SWR, ASA 1000v and Citrix VDI-in-a-box

NetApp Data ONTAP Edge

- Virtual machine for replication to central NetApp Data ONTAP Edge deployment
- Value bundle supports SnapVault (primary), SnapRestore, FlexClone, CIFS/iSCSI/NFS
- Premium bundle supports SnapMirror, SnapVault (primary & secondary), SnapRestore, FlexClone, CIFS/iSCSI/NFS

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