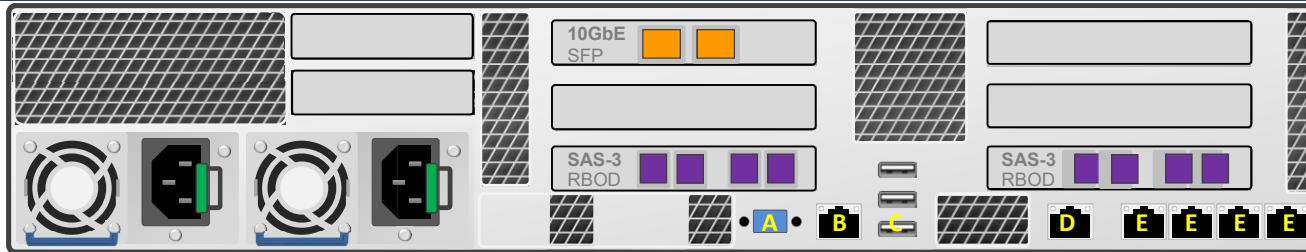


Veritas Access 3340 Appliance

Quick Reference Card – Hardware

3340 Appliance Rear View – Components and Connections

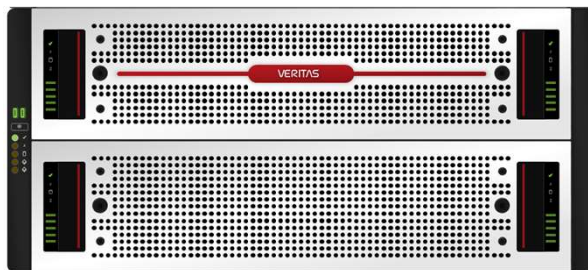


Port	Description	Purpose
A	VGA	DB-15 Port to connect a Monitor
B	Serial Port	Reserved
C	3 x USB Ports	USB 3.0/2.0 Compatible Ports
D	IPMI 100Mb/1Gb	VRM for IPMI
E	4 x 1Gb Ethernet	Left to Right: 1Gb Ethernet eth0 through eth3

Series	Slot 1 – Reserved	Slot 2	Slot 3	Slot 4 – Reserved	Slot 5	Slot 6	Slot 7	Slot 8
3340 A	4-port SAS-3 HBA	EMPTY	QLE8442 2x10GbE NIC	4-port SAS-3 HBA	EMPTY	EMPTY	Reserved	EMPTY

3340 Base Specifications

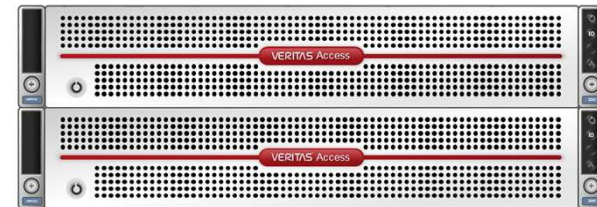
19-inch, 2U rack-mount server
 2 x Intel Xeon 1.8GHz 4108 processors
 8 X cores per processor
 6 x 32GB/64GB DIMMs=192GB/384GB BASE
 6 x 32GB/64GB DIMMs Expansion1=384GB/768GB
 6 x 32GB/64GB DIMMs Expansion2=576GB/1.15TB
 6 x 32GB/64GB DIMMs Expansion3=768GB/1.5TB
 Onboard Intel RSMHC080 RAID Controller
 Embedded 1 Gbps IPMI Management port
 2 x 1100W power supplies
 2 x 2TB for OS (RAID 1)
 3 x USB 2.0/3.0 Ports
 Weight: 23.26 kg (51.28 lbs)
 Voltage: 110 – 240V AC
 ETH0 / ETH1 = Appliance Management Ports
 ETH2 / ETH3 = Private Network (HA) Ports
 ETH4 / ETH5 = 10GbE Public Network



Primary Storage Shelf

Expansion Storage Shelf

3340 HA Nodes

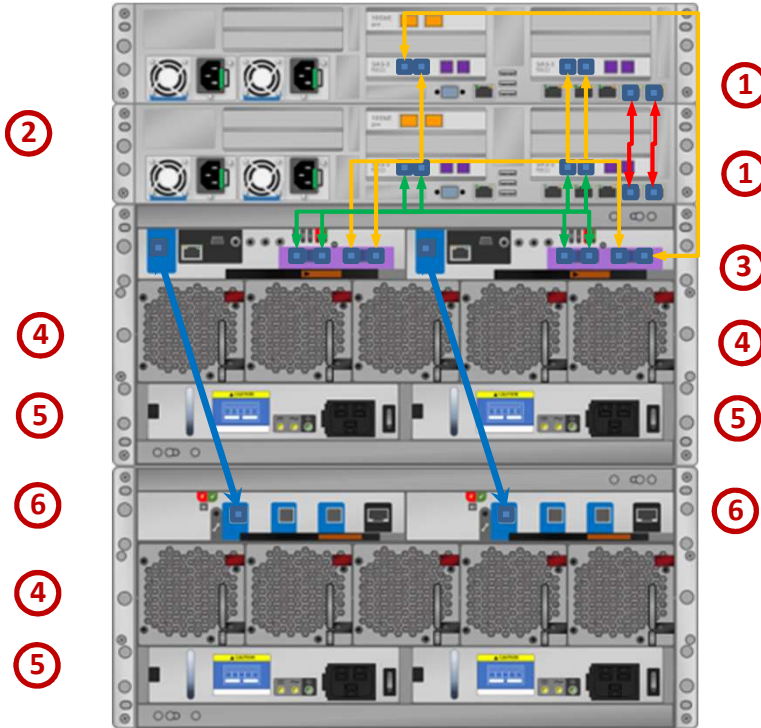


The Veritas Access 3340 Appliance consists of two, 2U Access 3340 Appliance compute nodes and one externally attached 5U84 Primary Storage Shelf for data storage purposes (required). The Access 3340 Appliance is a hardware and software storage system that has a **maximum raw capacity** of 2688TB and a **maximum usable storage capacity** of 1920TiB. The difference between **max raw capacity** and **max usable storage capacity** is due to the reservation of disk space for 2 hot spares and 4 MetaData RAID10 drives in each 5U84 as well as 2 drives per LUN in order to maintain RAID 6 protection. You can add up to three optional 5U84 Expansion Storage Shelves. While the 5340 maximum storage capacity is well over 1PB, current (Appliance version 3.1) MSDP technology is limited to ~900TB, the minimum Appliance version Operating System support begins with the 3.1 release of Appliance software. Earlier releases are incompatible. The SAS-3 cards located in slots 1 and 4 are used only for connecting the compute node to the Primary Storage Shelf and cannot be used to support client data transfer. The Access 3340 appliance with a 4TB drive 5U84 storage shelf option is available to ship starting 16 September 2019. This initial release will only support a Primary Shelf for 280TB of available storage.

Veritas Access 3340 Appliance

Quick Reference Card – Hardware

5U84 Storage Shelf



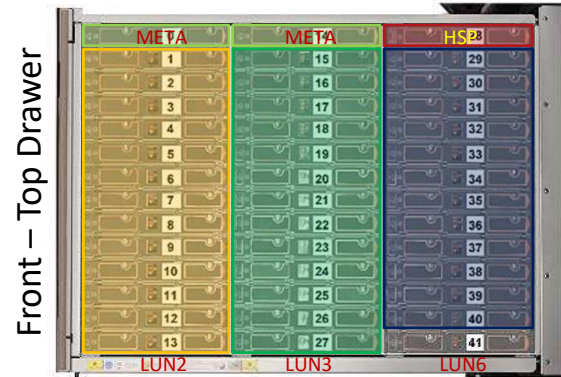
1	SAS-3 4 port HBA – PCIe cards (2 ports unused per card)
2	1 – meter SAS-3 cables (4 per Primary Storage Shelf)
3	RAID I/O Modules (2 per Primary Storage Shelf)
4	Cooling Fan Modules (5 per Primary and Expansion Storage Shelves)
5	Power Modules (2 per Primary and Expansion Storage Shelves)
6	I/O Modules (2 per Expansion Storage Shelf)

5U84 Specifications

- 5U 19" rack-mount disk shelf
- 5U84 has 2 drawers with each drawer holding 10TB 7200 rpm SAS-3 Disk Drives
- Weight: 135 kg (298 lbs) with drives
- 2 x 2.2 kW high-efficiency power modules
- Voltage: 200 – 240V AC
- 5U84 BOD RAID 6 Full Population
- 10TB Drives = 636TB per storage shelf
- 4TB Drive Option available for Primary Shelf
- 4 drives for Meta Data
- 2 Drives for Hot Spares
- Meta Data and Hot Spare drives are populated in both the "half" and "full" configurations.
- Slots 41 and 83 are empty drive slots populated with blanks to ensure cooling



5U84 Drawer Drive Slot Numbering – Fully Populated



3340 Disk Drives

- 3 x 2TB SAS disk drives
- Disk Drives are replaceable without replacing the Disk Drive Carrier (DDIC)
- 2 x RAID-1 volumes (0 and 1)
- Slots 0 & 1 = Operating System = Volume 0
- Slots 2 = Hot – Spare
- Slots 5 – 11 = Empty

