



THE PROXINATOR[®] VM32

Virtualization and Storage Server

45Drives offers tightly integrated storage and virtualization solutions that combine enterprise-grade hardware, open-source software, and comprehensive support. Our solutions give organizations complete control and flexibility over their data, eliminating risk associated with vendor lock-in. The Proxinator VM32 offers turn-key Proxmox Virtual Environment (VE) with integrated access to high speed storage.



HARDWARE

- Made in North America with 16g Steel
- 2U Rackmount Server (Rails Included)
- 32 Bay Tri-Mode Server (U.3 NVMe, SATA, SAS)
- Up to 243.2TB of Raw Storage Capacity
- Direct-Wire Architecture
- Tool-less & Cadiless Drive Access
- Latest Generation of AMD EPYC & Intel Xeon CPUs
- Up to 3 TB DDR5 ECC Memory
- Redundant Power Supply
- IPMI capable

SOFTWARE

- Preloaded with Proxmox VE
- Integrated ZFS & Ceph Storage
- Single Pane UI for VMs and Storage
- Proxmox VE Cluster Ready
- File & Block Storage
- SMB, NFS, iSCSI Protocols
- Proxmox Backup Server Ready
- Native Veeam Backup Integration
- Administrative Training Available



ceph



ZFS



THE PROXINATOR[™] By 45Drives

VM32



CPU (AMD 8004)	Base AMD EPYC 8224P 24 CORES, 2.55 GHz MAX BOOST 3 GHz	Enhanced AMD EPYC 8324P 32 CORES, 2.65GHz MAX BOOST 3GHz	Turbo AMD EPYC 8534P 64 Cores, 2.3 GHz MAX BOOST 3.1 GHz
CPU (Intel Xeon 4th Gen)	Base 2x Silver 4410Y 12 CORES, 2 GHz MAX BOOST 2.8 GHz	Enhanced 2x Gold 5418Y 24 CORES, 2 GHz MAX BOOST 2.8 GHz	Turbo 2x Gold 6430 32 Cores, 2.1 GHz MAX BOOST 2.6 GHz
CPU Architecture	64-bit		
Maximum Memory	1152GB (AMD) 4096GB (Intel)		
Maximum RDIMM Capacity (AMD)	RDIMM up to 96GB supported		
Maximum RDIMM Capacity (Intel)	RDIMM up to 96GB supported 3DS RDIMM up to 256GB supported		
Total Memory Slots	12 (AMD) and 16 (Intel)		
Motherboard Model	ME03-CE0 (AMD) or MS73-HB0/2 (Intel)		
PCI Slots (AMD)	3 x MCIO 4i connectors with PCIe Gen5 x 4 or SATA interface 1 x M.2 slot with PCIe Gen3 x 4 interface 3 x PCIe Gen5 x 16 expansion slots 3 x PCIe Gen4 x16 and x 8 expansion slots		
PCI Slots (Intel)	3 x SlimSAS connectors for 12 x SATA 6Gb/s 2 x SATA 6Gb/s ports 2 x M.2 slots with PCIe Gen4 x4 interface 6 x PCIe Gen5 x16 expansion slots		
Electrical	100-240 VAC, 47-63 Hz IEC-320-C14 (server side) NEMA 5-15P (wall side) *Other regions also available		
Backplane	Tri-Mode 45Drives Backplane (U.3, SATA, SAS)		
Number of Storage Drive Bays	32		
Maximum Raw Capacity	243.2TB (Using 7.6 TB 7mm U.3 NVMe SSDs)		
ZFS RAID Options	0, 1, 10, Z1, Z2, Z3		
ZFS Support Vdevs (NVMe)	L2ARC, SLOG, Special Vdevs (Optional)		
Networking (On-Board)	2x 1/10 Gb/s		
Networking (Add-Ons)	1, 10, 25, 40, and 100GbE		
Power	1350W 1U Redundant PSU		
Form Factor	2U		
HBA Card	LSi 9600-16i Tri-Mode (NVMe, SATA, SAS)		
Operating System	Proxmox Virtual Enviroment		
Boot Drives	2 x 480GB Enterprise SATA SSDs (Mirrored)		
Expansion	Ceph Cluster-Ready		
Dimensions	28.000"L x 17.120" W x 3.500"H		