Turn-Key Storage and Virtualization 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 VM2 offers turn-key Proxmox Virtual Environment (VE) with integrated access to high speed storage.

HARDWARE

- 2 Bay NVMe Server
- Made in North America with 16g Steel
- 1U Rackmount Server (Rails Included)
- Up to 61.44 TB of Raw Storage Capacity
- Direct-Wire Architecture
- Tool-less & Caddieless Drive Access
- Latest Generation of AMD EPYC CPUs
- Up to 1.125TB DDR5 ECC Memory
- GPU-ready (single slot)
- Redundant Power Supply
- IPMI capable

SOFTWARE

- Preloaded with Proxmox VE
- Integrated with ZFS
- 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

THE PROXINATOR® By 45Drives

VM2

CPU (AMD 8004)	**Base** AMD EPYC 8124P 16 CORES, 2.45 GHz MAX BOOST 3 GHz	**Enhanced** AMD EPYC 8224P 24 CORES, 2.55 GHz MAX BOOST 3 GHz	**Turbo** AMD EPYC 8324P 32 CORES, 2.65GHz MAX BOOST 3GHz
CPU Architecture	64-bit		
Maximum Memory	1.125TB		
Maximum RDIMM Capacity	6-Channel DDR5 RDIMM up to 96GB supported		
Total Memory Slots	12 x DIMM slots		
Motherboard Model	ME03-CE0		
PCI Slots (AMD)	2 x PCIe Gen5 x 16 expansion slots (*Usable) *1x low-profile single-slot PCIe card and 1x full-height single-slot PCIe Card 1 x M.2 slot with PCIe Gen3 x 4 interface		
Electrical	100-240 VAC, 47-63 Hz IEC-320-C14 (server side) NEMA 5-15P (wall side) *Other regions also available		
Backplane	Not Applicable		
Number of Storage Drive Bays	2		
Maximum Raw Capacity	61.44TB (Using 30.72 TB 15mm U.3 NVMe SSDs)		
ZFS RAID Options	0, 1		
Networking (On-Board)	2x 10 Gb/s		
Networking (Add-Ons)	10, 25, 40, and 100GbE		
Power	800W 1U Redundant PSU		
Form Factor	1U		
HBA Card	None		
Operating System	Proxmox Virtual Environment		
Boot Drives	2 x 480GB Enterprise SATA SSDs (Mirrored)		
Expansion	Ceph Cluster-Ready		
Dimensions	19.76 "L x 19 " W x 1.7500"H		