



PART NUMBER: AMD-D-1U

- AMD® EPYC™ 4th generation processor delivers up to 50% more core count per single socket platform in an innovative air-cooled blueprint
- Scale your storage using up to 60% more E3.S NVMe drives and reduce your carbon footprint
- Deliver more memory density with DDR5
- Improve responsiveness or reduce app load time for power users with up to 3x single-wide full-length GPUs

SPECIFICATION

Processor	One AMD EPYC 4th Generation 9004 Series with up to 128 cores	
Memory	12 DDR5 DIMM slots, supports RDIMM 3 TB max, speed up to 4800 MT/s	
	Supports registered ECC DDR5 DIMMs only	
Storage Controllers	Internal Controllers (RAID): PERC H965i, PERC H755, PERC H755N, PERC H355, HBA355i	
	Internal Boot: Boot Optimized Storage Subsystem (BOSS-N1): HWRAID 2 x M.2 NVMe SSDs or USB	
	External HBA (non-RAID): HBA355e	
	Software Raid: S160	
Drive Bays	Front Bays	Up to 4 x 3.5-inch SAS/SATA (HDD/SSD) max 80 TB
		Up to 8 x 2.5-inch NVMe (SSD) max 122.88 TB
		Up to 10 x 2.5-inch SAS/SATA/NVMe (HDD/SSD) max 153.6 TB
		Up to 14 x E3.S NVMe direct drives max 89.6 TB
	Rear Bays	Up to 16 x E3.S NVMe direct drives max 102.4 TB
		Up to 2 x 2.5-inch SAS/SATA (HDD/SSD) max 30.72 TB
Power Supplies	Up to 2 x E3.S NVMe direct drives max 12.8 TB	
	1800 W Titanium 200–240 V AC or 240 HVDC, hot swap redundant	
	1400 W Platinum 100–240 V AC or 240 HVDC, hot swap redundant	
	1100 W Titanium 100–240 V AC or 240 HVDC, hot swap redundant	
	1100 W LVDC -48 – -60 VDC hot swap redundant	
	800 W Platinum 100–240 V AC or 240 HVDC, hot swap redundant	
Cooling Options	700 W Titanium 200–240 V AC or 240 HVDC, hot swap redundant	
	Air cooling	
	Optional Direct Liquid Cooling (DLC)	
Fans	Note: DLC is a rack solution and requires rack manifolds and a cooling distribution unit (CDU) to operate.	
	Standard (STD) fans/High performance GOLD (VHP) fans	
Dimensions	Up to 4 sets (dual fan module) hot plug fans	
	Height – 42.8 mm (1.685 inches)	
	Width – 482 mm (18.97 inches)	
Form Factor	Depth – 822.89 mm (32.39 inches) with bezel, 809.05 mm (31.85 inches) without bezel	
	1U rack server	
Embedded Management	iDRAC9	
	iDRAC Direct	

	iDRAC RESTful API with Redfish	
	iDRAC Service Module	
	Quick Sync 2 wireless module	
Bezel	Optional LCD bezel or security bezel	
OpenManage Software	OpenManage Enterprise	
	OpenManage Power Manager plugin	
	OpenManage Service plugin	
	OpenManage Update Manager plugin	
	CloudIQ for PowerEdge plug in	
	OpenManage Enterprise Integration for VMware vCenter	
	OpenManage Integration for Microsoft System Center	
OpenManage Integration with Windows Admin Center		
Security	AMD Secure Encrypted Virtualization (SEV)	
	AMD Secure Memory Encryption (SME)	
	Cryptographically signed firmware	
	Data at Rest Encryption (SEDs with local or external key mgmt)	
	Secure Boot	
	Secured Component Verification (Hardware integrity check)	
	Secure Erase	
	Silicon Root of Trust	
	System Lockdown (requires iDRAC9 Enterprise or Datacenter)	
	TPM 2.0 FIPS, CC-TCG certified, TPM 2.0 China NationZ	
Embedded NIC	2 x 1 GbE LOM card (optional)	
Network Options	1 x OCP card 3.0 (optional)	
	Note: The system allows either LOM card or an OCP card or both to be installed in the system.	
GPU Options	Up to 2 x 75 W SW	
Ports	Front Ports	Rear Ports
	1 x iDRAC Direct (Micro-AB USB) port	1 x Dedicated iDRAC Ethernet port
	1 x USB 2.0	1 x USB 3.0
	1 x VGA	1 x USB 2.0
		1 x Serial (optional)
		1 x VGA (optional for Direct Liquid Cooling configuration)
	Internal Ports	
	1 x USB 3.0 (optional)	
PCIe	Up to three PCIe slots:	
	Slot 1: 1 x16 Gen5 or 1 x16 Gen4 Low profile, Half length or 1 x16 Gen5 Full height, Half length or 2 x8 Gen4 Low profile, Half length	
	Slot 2: 1 x16 Gen5 or 1 x16 Gen4 Low profile, Half length or 1 x16 Gen5 Full height, Half length or 2 x8 Gen4 Low profile, Half length	
	Slot 3: 1 x16 Gen5 or 1 x16 Gen4 Low profile, Half length	
Operating System and Hypervisors	Canonical Ubuntu Server LTS	
	Microsoft Windows Server with Hyper-V	
	Red Hat Enterprise Linux	
	SUSE Linux Enterprise Server	
	VMware ESXi	

The Power to Outperform

Would you like to find out more? Be sure to speak to our on-stand team or contact us via the details here and we would be happy to help.

-  Unit 13 Suttons Business Park, Reading, RG6 1AZ
-  0118 929 4990
-  uk.sales@hiper-global.com
-  www.hiper-global.co.uk

