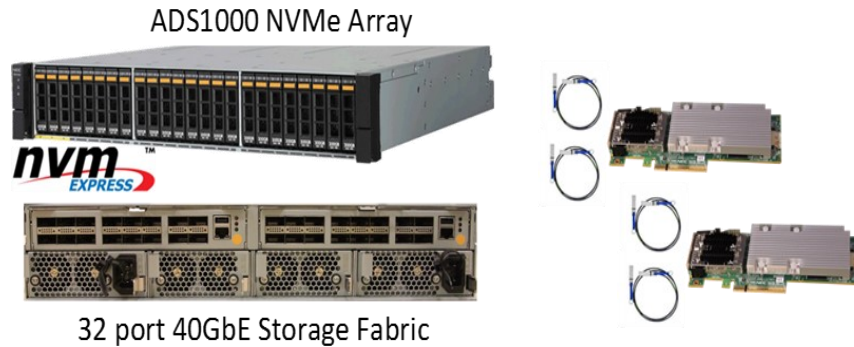


ADS1000– STORAGE ENCLOSURE DATA SHEET



| Model | ADS1000 |
|---------------------------|---|
| Flash Type | NVMe PCIe Gen3 x4 |
| SSD count | 24 NVMe 2.5" Flash Drives (Hot Swappable) |
| Total Capacity | 38TB to 384TB per 2U enclosure |
| Max IOPS (4KB) | 18.4 Million (Linear scaling to 142.4 Million with 8 ADS1000 arrays) |
| Max Bandwidth | 72GB/sec (Linear scaling to 576GB/s with 8 ADS1000 arrays) |
| SSD Read/Write Latency | 12µS-Optane, 100µS-MLC NAND (2.7 µS is ADS network induced) |
| Network Connector type | 40GbE (QSFP+) Supports copper and optical on all ports |
| Network Ports | 32 40G Ethernet Ports |
| Server Connection | ADS40G-HBA Dual port 40GbE (QSFP+) |
| High Availability | <ul style="list-style-type: none"> Hot-swappable SSD (dual zone) Redundant, hot-swappable power supplies Dual zone hot-swappable ADS switched storage controller modules Redundant 40GbE network links 32 ports external Dual zone and Cluster wide data replication |
| Management | Web GUI SNMP alerts Internal Analytics REST API |
| Protocol Support | NVMe Over Ethernet |
| OS | CentOS 7, RedHat, Ubuntu, SuSe, ESXi |
| Dimensions | 2U form factor 3.46"/87.95mm Height 19"/483mm width 23" Depth |
| Voltage/Power | 1223watts(max)/100-240V AC, 50/60Hz 556 Watts - No SSD installed |
| Power Sockets Number/Type | 2 x IEC320 C14 |
| Weight | 76lbs/34.5kg |
| Cooling | Redundant N+1 Cooling Fans |
| Environmental | 10c to 35c, 95% Humidity |
| Regulatory | Safety: IEC/UL/CSA/EN 60950, CE, UL, TUV Mark Emissions: FCC Part 15 Class A, ICES-003 Class A, VCCI Class A Immunity: EN55024, EN6100-4-2,3,4,5,6,8,11, RoHS 2011/65/EU |



ADS-N8101 Compute Node Specifications

| | |
|-----------------------------|--|
| FORM FACTOR | 1U |
| PROCESSORS | Dual Intel® Xeon® processor - E5-2680 v4 (2.4GHz 22C/44HT) |
| MEMORY | 64GB PER Processor (128GB)DDR4-2133 ECC RDIMM, DDR4-2133 ECC LRDIMM |
| NETWORK PORTS | Dual 10GBase-T Ethernet compliant/RJ45 |
| STORAGE FABRIC PORTS | Dual 40GbE Apeiron Data Fabric ADS40G-HBA/QSFP+ (x1 or x2) |
| INTERFACES | 2 VGA, 1 to 2 serial, 5 USB 3.0, 2 USB 2.0, 1 Gig management, 10 Gig LOM |
| HDD & OPTICAL | 2x 500GB 10k 2.5 inch SATA (RAID 0/1) Internal slim DVD-ROM drive |
| OS | Linux CentOS 7.0, RedHat, Ubuntu, SuSe |
| DIMENSIONS | 1.7"/43.4mm Height 17.3"/439.8mm width 28.3"/720mm Depth |
| WEIGHT | 46.73 lbs/21.2kg |
| COOLING | Redundant Fan |
| POWER/VOLTAGE | 800Watts max/voltage 100-240V AC, 50/60Hz Hot Plug redundant |
| ENVIRONMENTAL | 10C to 35C, 95% Humidity |
| REGULATORY | Safety: IEC/UL/CSA/EN 60950, CE, UL, TUV Mark Emissions: FCC Part 15 Class A, ICES-003 Class A, VCCI Class A Immunity: EN55024, EN6100-4-2,3,4,5,6,8,11, RoHS 2011/65/EU |