

PRYSM[®]

AR22M1

SERVER DATA SHEET

COMPUTING PERFORMANCE WITH HIGH MODULARITY

Enrich your business with high performance and high modularity servers

Through innovative hardware design, software commonality and continued focus on system updates, **PRYSM** Servers offers improved performance and pay-as-you-grow flexibility along with new features that help reduce the complexity involved in managing data for small, mid-sized and large enterprise business. These servers are designed to a **PRYSM** - developed Behavioral Specification that defines consistent hardware layout and user interaction across all server models in this and future generations with cost optimized solution. These powerful systems are designed to meet the requirements of value segment in **Small and Medium Enterprise, Business Intelligence IT, Data Analytics Storage, AI and Cloud.**

Compute Performance - With Maximum Scalability, Operational & Networking Efficiency

Expand your possibilities with 2U systems based on the **PRYSM AR22M1**, the server product from **PRYSM** family. This server family features power-efficient spread-core design, massive 32 DIMM DDR4 memory—up to 4.0 TB, PCIe Gen 4 lanes for the I/O and compute capacity needed to easily handle the intense needs of data analytics or enterprise applications.

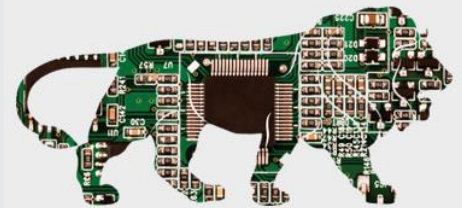
Designed to support the performance and features of **AMD EPYC ZEN3** Processors, family up to 280W TDP.



*In a rack-optimized 2U form factor, the **PRYSM** delivers an excellent balance of outstanding performance, availability and flexibility for growing network infrastructure and high computing workload applications*

PRYSM AR22M1 IS AN EXCELLENT CHOICE FOR

- Server with real time compute requirement
- For hot and warm tier data and dense NVMe storage
- Public and hybrid



MAKE IN INDIA

Technical Specifications

| FEATURES | PARAMETER | DESCRIPTION |
|----------------------|----------------------------|--|
| Processor | Supported CPU Series | Supports up to 2 processors of AMD EPYC 7003 series (Zen3) |
| | Thermal Design Power (TDP) | Up to 280W TDP |
| Chipset | AMD | AMD EPYC™ MILAN |
| Front hard drive | Storage | Up to 24x 2.5" Hard drives 1) 18 SATA+6 NVMe 2) 20 SATA+4 NVMe 3) 22 SATA+2 NVMe 4) 24 SATA |
| Dimensions | W x H x D (mm) | 450 x 88 x 780 / 35 KG |
| BMC | ASIC | AST2500 |
| Memory | Max DIMM slots | 2 DIMMs/CH, 16 CH/CPU, Total 32 DIMMs |
| | DIMM type | DDR4 RDIMMs or LRDIMMs |
| | Memory Capacity | 16/32/64/128 GB, up to total 4TB capacity |
| | Memory Speed | support 3200 MHz |
| External port & PCIe | Front I/O | Front Port: 1 VGA, 2 * USB 2.0 |
| | Rear I/O | Rear: 1 VGA, 1 COM port, 2 * USB2.0 |
| | PCIe | PCIe expansion slots: 4 PCIe Gen4.0 full-height slots, 1 PCIe Gen 3x16 OCP Mezzanine slot on OCP slot |
| Networking | Ethernet | 1G*1 management network port on board |
| | OCP 2.0 | 2.5, 5.0 or 8.0GT/s network port with OCP 2.0 add-on card |
| External Cards | RAID | X8 and X16 Hardware RAID support |
| | GPU | X8 and X16 FHHL GPU support |
| | NIC | X4, X8 and X16 FHHL and HHHL NIC support |
| Drive Control | Backplane | <ul style="list-style-type: none"> U.3 based connector, backward compatible with U.2 Hot swappable LED management using UBM controller with the help of Midplane. |

| | | |
|----------------------------------|--|--|
| Power Supply | Redundancy Input Range Output Watts Efficiency | 1+1 Full range AC (100 - 240 VAC) 1200W/1600W Titanium |
| Chassis | Form Factor | 2U Rack Mountable |
| BIOS | BRAND | AMI / Insyde |
| OS | OS Type | Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu |
| Security | TPM | TPM/TCM (optional) Locked upper cover of chassis |
| Intelligent temp. control | Temperature control | CPLD Based PWM fan control |
| System Cooling | FAN | 6 hot swap system 60x60mm fans |
| Operating Environment | Operating Temp Non-Operating Temp | 10°C - 35°C (indoor) -40°C - 60°C |
| Humidity | Operating relative humidity Non-operating relative humidity | 8% - 80% (non-condensing) 20% - 95% (non-condensing) |
| BIS | PRYSM-AR22M1 | BIS R-62004545 |
| ROHS | RoHS 6/6 Compliant | Yes |

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