

PRYSM[®]

AR22R1

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

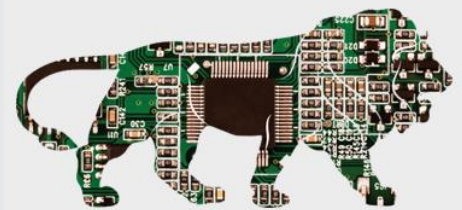
Expand your possibilities with 2U systems based on the **PRYSM AR22R1**, the server product from **PRYSM** family. This server family features power-efficient spread-core design, massive 32 DIMM DDR4 memory—up to 4.0 TB, PCIe Gen 4 lanes for the I/O and compute capacity needed to easily handle the intense needs of data analytics or enterprise applications.

Designed to support the performance and features of **AMD EPYC ZEN2** 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 AR22R1 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 7002 series (Zen2)
	Thermal Design Power (TDP)	Up to 280W TDP
Chipset	AMD	AMD EPYC™ ROME
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 FHFL 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-AR22R1	BIS R-62004545
ROHS	RoHS 6/6 Complaint	Yes

Contact Us:
Velankani Electronics & Automotive Private Limited
43, Electronics City, Phase-1, Hosur Road, Bangalore - 560 100.
India Web: www.velankanigroup.com | www.prysmelectronics.com
Tel: +91 80 6614 5807 / +91 98865 61161
Mail: insidesales@velankanigroup.com



Velankani Electronics and Automotive Pvt. Ltd. (VEAPL). Is not responsible for errors in typography or photography. PRYSM, the PRYSM logo and PRYSM Server are trademarks of VEAPL. AMD is a registered trademark and EPYC is a trademark of AMD Corporation. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and Names or their products. VEAPL disclaims proprietary interest in the marks and names of others. © Copyright Velankani Electronics and Automotive Pvt. Ltd. All rights reserved. Reproduction in any manner whatsoever without the express written permission of VEAPL is strictly forbidden.