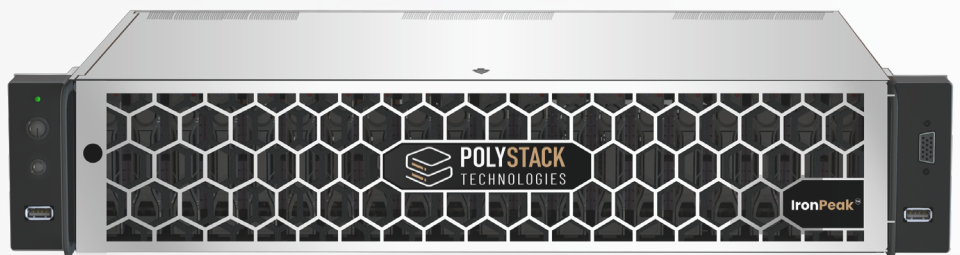




# IronPeak<sup>TM</sup>

**Revolutionize Efficiency and Adaptability**  
for Modern Enterprises.

## IP-AR-723-G



### Transform Your Business with Scalable, Flexible and High-Performance Computing Solutions

The IP-AR-723-G is a versatile and reliable server designed to empower enterprises with exceptional computational capabilities. Built for organizations that demand performance and adaptability, this 2U rack server provides the flexibility and power required to handle diverse workloads seamlessly.

#### EFFICIENCY MEETS POWER

- ▶ **Advanced AMD EPYC Processors**  
Up to 64 cores with dual AMD EPYC 7003 Series processors, delivering balanced performance and power efficiency for any workload.
- ▶ **Exceptional Memory Capacity**  
Supports up to 4TB of DDR4 RDIMMs or LRDIMMs memory, ensuring fast data access and unparalleled performance for memory-intensive applications.

#### BUILT TO EMPOWER MODERN ENTERPRISES

- ▶ **Flexible Storage and Expansion**
  - Support for a range of storage options, including SATA and NVMe drives, to meet the demands of complex data operations.
  - Expandability with PCIe Gen4 slots ensures readiness for future technology upgrades.
- ▶ **Robust Design for Enterprise Applications**
  - Redundant hot-swappable power supplies ensures reliable operations and minimize downtime.
  - Optimized airflow and thermal management for sustainable high performance.
  - TPM 1.2 support (optional) for enhanced security.

## Scalable Workload Support !

### Ideal for :

- ▶ Database Management and Analytics.
- ▶ Enterprise Workload Standardization.
- ▶ Virtualization and Cloud Computing.
- ▶ Multi-tenant Infrastructure.



## TECHNICAL SPECIFICATION

FEATURES	PARAMETER	DESCRIPTION
Processor	Supported CPU Series	Supports upto 2 processors of AMD EPYC 7003 Series (Generation 3)
		Min 8 Core – Max 64 Core per Processor (Boost clock Up to 3.3GHz)
	Thermal Design Power (TDP)	Up to 280W TDP , L3 CACHE – 256MB
Chipset	AMD	AMD EPYC™ MILAN
Front hard drive	Storage	Up to 24x 2.5" Hard drives (SATA Per port 1.92TB @ 6Gb/s) ( NVMe per port 3.84TB) (M.2 per port 1.92TB)
		( Config:1 ) 18 SATA+6 NVMe
		( Config:2 ) 20 SATA+4 NVMe
		( Config:3 ) 22 SATA+2 NVMe
		( Config:4 ) 24 SATA
Dimensions	W x H x D (mm)	450 x 88 x 780 / 35 KG
BMC Chip	ASIC	AST2500
Memory	Max DIMM slots	2 DIMMs/CH, 16 CH/CPU, Total 32 DIMMs Support
	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: 1x VGA, 1x USB 3.0
	Rear I/O	Rear: 1x VGA, 1x COM port, 2x USB3.0
	PCIe	PCIe expansion slots: 4 PCIe Gen4.0 full-height slots, 1 PCIe Gen 3x16 OCP Mezzanine slot on OCP slot
Networking	Ethernet OCP 2.0	1G*1 management network port On-board
		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,
		Rj45 – 1G & 10G – Maximum 4 port support
		SFP+ – 10Gb/s Per Port , QSFP56 – 200Gb/s Per Port
Drive Control	Backplane	U.3 based connector, backward compatible with U.2
		Hot swappable
		LED management using UBM controller with the help of Midplane.

FEATURES	PARAMETER	DESCRIPTION
Power Supply	Redundancy	1+1
	Input Range	Full range AC (100 - 240 VAC)
	Output Watts	1200W/1600W
	Efficiency	Titanium
Chassis	Form Factor	2U Rack Mountable
BIOS/BMC	BRAND	AMI / Insyde
OS	OS Supported	Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, Ubuntu, Debian
Security	TPM 1.2	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, 66W
Software	IronCore CNP, CNS and CNO - Powered by Rakuten	Compatible with Microsoft Windows Server, Red Hat Enterprise Linux, SUSE Linux Enterprise, CentOS, Ubuntu and Vmware
Operating Environment	Operating Temp	5°C - 35°C (indoor)
	Non-Operating Temp	-40°C - 70°C
Humidity	Operating relative humidity	20% - 80%
	Non-operating relative humidity	10% - 95%
ROHS	RoHS 6/6 Complaint	Yes

## KEY DIFFERENTIATORS

- **Scalability Redefined:** Adapt to increasing workloads with ease.
- **Efficient Performance:** DDR4 memory and AMD EPYC processors for optimal energy usage.
- **Future-Ready Design:** PCIe Gen4 compatibility for next-gen upgrades.
- **Versatility at Its Core:** Ideal for a wide range of enterprise applications, from virtualization to database management.

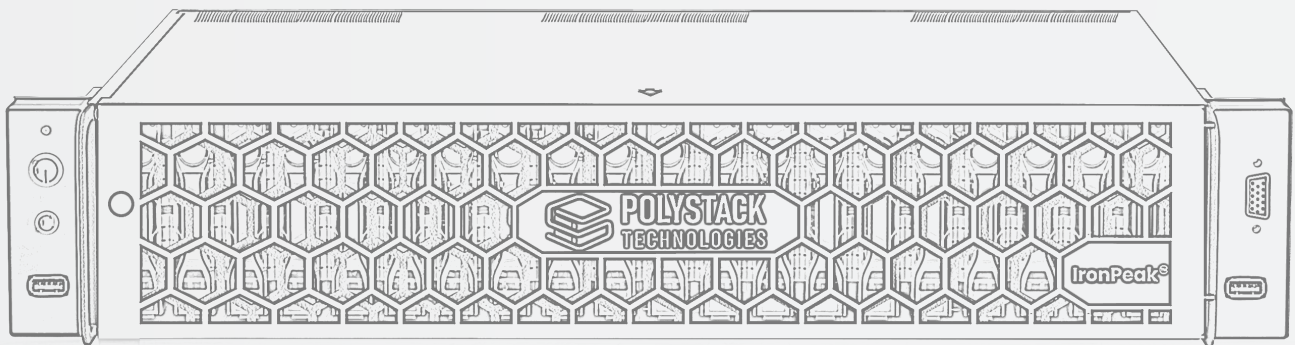
The **IP-AR-723-G** is the ideal solution for businesses that demand flexible, scalable, and powerful infrastructure to meet today's and tomorrow's challenges.



**POLYSTACK**  
TECHNOLOGIES



# Adaptability Meets Performance in Every Workload...



MANUFACTURED AT **VELANKANI**

## APPLICATIONS



**Artificial  
Intelligence**



**High Performance  
Computing**



**Data  
Centers**



**Cloud  
Computing**



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