

SERVER & NETWORKING

Industrial Grade Storage & Memory Solutions

Most industrial applications rely on a stable server, storage, and networking architecture. As data continues to gain importance, businesses are increasingly dependent on the smooth functioning of their servers and the reliability of their storage and networking equipment. Cervoz provides the latest storage and memory solutions to deliver the highest performance, capacity, and maximum endurance to meet the server and networking application demands.



NVMe PCIe Gen. 4x4 SSD

- Industrial-Grade 176-layer 3D TLC
- Excellent 4K Random Speed
- Up to Read: 7054 MB/s, Write: 3833 MB/s
- High Capacity: max 2TB
- Low Power Consumption
- Dynamic Thermal Throttling
- End-to-End Data Protection
- LDPC ECC

DDR5 DRAM Module

- Capacity: 8GB ~ 32GB
- Standard Transfer Speed: 4800 MHz
- Low Power Consumption 1.1V
- Dual 32-bit Channels I/O Mode
- On-Die ECC & On-DIMM PMIC
- DIMM / SO-DIMM (with ECC)
- Registered DIMM (with ECC)



Modular Expansion Card

PCIe 2/4 Ports Ethernet Expansion Card

- Supports 2/4 isolated GbE LAN ports
- 2/4 independent PSE channels
- Support WOL (Wake-on-Lan)
- Complies with IEEE 802.3at
- Supports power input 12V~24V from 6pin PCIe-ATX
- External PoE+ module power supply (optional)



SSDs with DRAM Buffer

M335 / M336 / T376 / T385 / T435

- 3D MLC/ TLC NAND Flash
- Capacity: 32GB ~ 512GB (MLC)/ 128GB ~ 1TB (TLC)
- With DRAM Buffer
- Powerguard (Power Loss Protection, M336/ T376)
- 2.5" SATA, mSATA, M.2 2242/2280



Flash Storage Solutions

	M335	M336	T376
Interface	SATA III	SATA III	SATA III
Flash Type	MLC	MLC	TLC
Powerguard (Power Loss Protection)	—	✓	✓
With DRAM Buffer	✓	✓	✓
Operating Temp.	0°C ~ 70°C / -40°C ~ 85°C	0°C ~ 70°C / -40°C ~ 85°C	0°C ~ 70°C / -40°C ~ 85°C
Anti-Vibration Fill (Optional)	✓	✓	✓
Conformal Coating (Optional)	✓	✓	✓
Form Factors	2.5" SATA, mSATA, M.2 2242/2280	2.5" SATA, mSATA, M.2 2280	

Product specifications are subject to change without prior notice.

	T385	T435	T455
Interface	SATA III	PCIe Gen. 3x4	PCIe Gen. 4x4
Flash Type	TLC	TLC	TLC
Powerguard (Power Loss Protection)	—	—	—
With DRAM Buffer	✓	✓	✓
Operating Temp.	0°C ~ 70°C / -40°C ~ 85°C	0°C ~ 70°C / -40°C ~ 85°C	0°C ~ 70°C / -40°C ~ 85°C
Anti-Vibration Fill (Optional)	✓	✓	✓
Conformal Coating (Optional)	✓	✓	✓
Form Factors	2.5" SATA, mSATA	M.2 2242/2280	M.2 2280

Product specifications are subject to change without prior notice.

DRAM Module Solutions

	DDR5
Module Type	DIMM/SO-DIMM
Data Rate	4800MHz
Capacity	8GB~32GB
Pin Number	288 pin / 262 pin
Burst Length	16
Bank	32
Voltage	1.1V
On-Die ECC	✓
Power Management	On-DIMM PMIC
Operating Temp.	0°C ~ 85°C / -40°C ~ 85°C
Anti-Vibration Fill (Optional)	✓
Conformal Coating (Optional)	✓

Product specifications are subject to change without prior notice.

Modular Expansion Solutions

	MEC-LAN-P004
Solution	Ethernet
Form Factor	PCIe
Bus	Quad-Lane (x4) PCI-Express PCI-Express with through Put up to 5.0/2.5Gbps
Controller	Intel I210 x 4
Interface (Connector)	RJ45 x4
Wake On Lan	✓
Isolated GbE LAN Port	✓
Dimensions (WxL, mm)	168.00 x 111.00
Operating Temp.	0~70°C
PoE+ Module	Optional

Product specifications are subject to change without prior notice.

Our Value

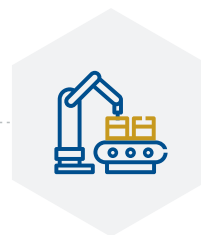
Core Competences

We stand together with our customer through listening to the demand and feedback, using our experience and expertise to collaborate producing high reliability and compatibility product for industrial applications.



Industrial Grade Design

Only first-grade materials are used for all product lines. Our R&D expertise results in outstanding hardware and firmware designs creating products with the highest reliability, compatibility and endurance.



Manufacturing

In the manufacturing process, we utilize the latest automation technologies. Every workflow is in line with ISO international standards to create a high-yield and the highest quality products.



Product Management

We follow a unified fixed BOM principle, as well as long-term product availability in order to fulfill customers' long-term projects. Cervoz' product lifecycles are 3 to 5 years, with 8 years being the longest. We have a comprehensive ERP inventory management system with high safety stock levels ready to deliver when you need us.



Quality Assurance

For our quality assurance procedures, we test at all levels, including EVT (Engineering Verification Test), DVT (Design Verification Test) and PVT (Production Verification Test), as well as application and compliance tests. It brings Cervoz' product with high reliability and top compatibility. Cervoz products are certified with CE, FCC, REACH and RoHS.



Premium Service

We care about every detail and exceed customers' expectations. We use our industry know-how and experience to offer premium sales and services and provide real-time technical support. Our services cover specialized testing and reporting on demand, debugging analysis, customization service and many more.



About Cervoz

Cervoz develops, produces and markets industrial storage and memory products for the professional, critical, and diverse industrial applications.

Established in 2006, Cervoz specializes in embedded components for the demanding Industrial PC market and has built up our industry experience for over a decade. We deeply understand this industry, and thus are able to offer our high quality embedded products with legacy and mainstream technology, long-term availability, BOM (bill of material) control, high reliability and top compatibility.

CERVOZ



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