

INDUSTRIAL AUTOMATION

Industrial Grade Storage &
Memory Solutions



Industrial automation applications require memory and storage solutions with uncompromised stability and longevity. Cervoz offers the latest storage and memory solutions to deliver the highest performance, capacity, and maximum endurance to meet the industrial automation application demands.



Industrial 3D TLC SSDs

T380 / T385 / T376

- Wide Temp. (-40°C ~ 85°C)
- With DRAM Buffer
- Powerguard (Power Loss Protection)
- Compact Form Factor: CFAST, mSATA, Half Slim, Half Size mSATA, M.2 2242/2280



DDR4 DRAM Module

- Capacity: 4GB~32GB
- Data Rate: 2133~3200MHz
- DIMM/ SO-DIMM/ VLP DIMM/ VLP SO-DIMM

Cervoz Value Added Services



Cervoz FlashMonitor

A proprietary monitoring software that provides detailed real-time information and analysis of the function and health of Cervoz products, predicts lifespan, and alerts users when inspection or replacement are needed.



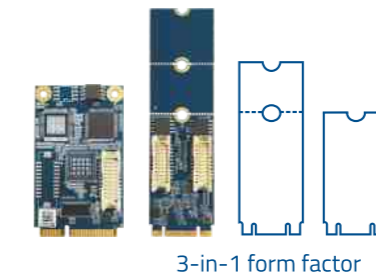
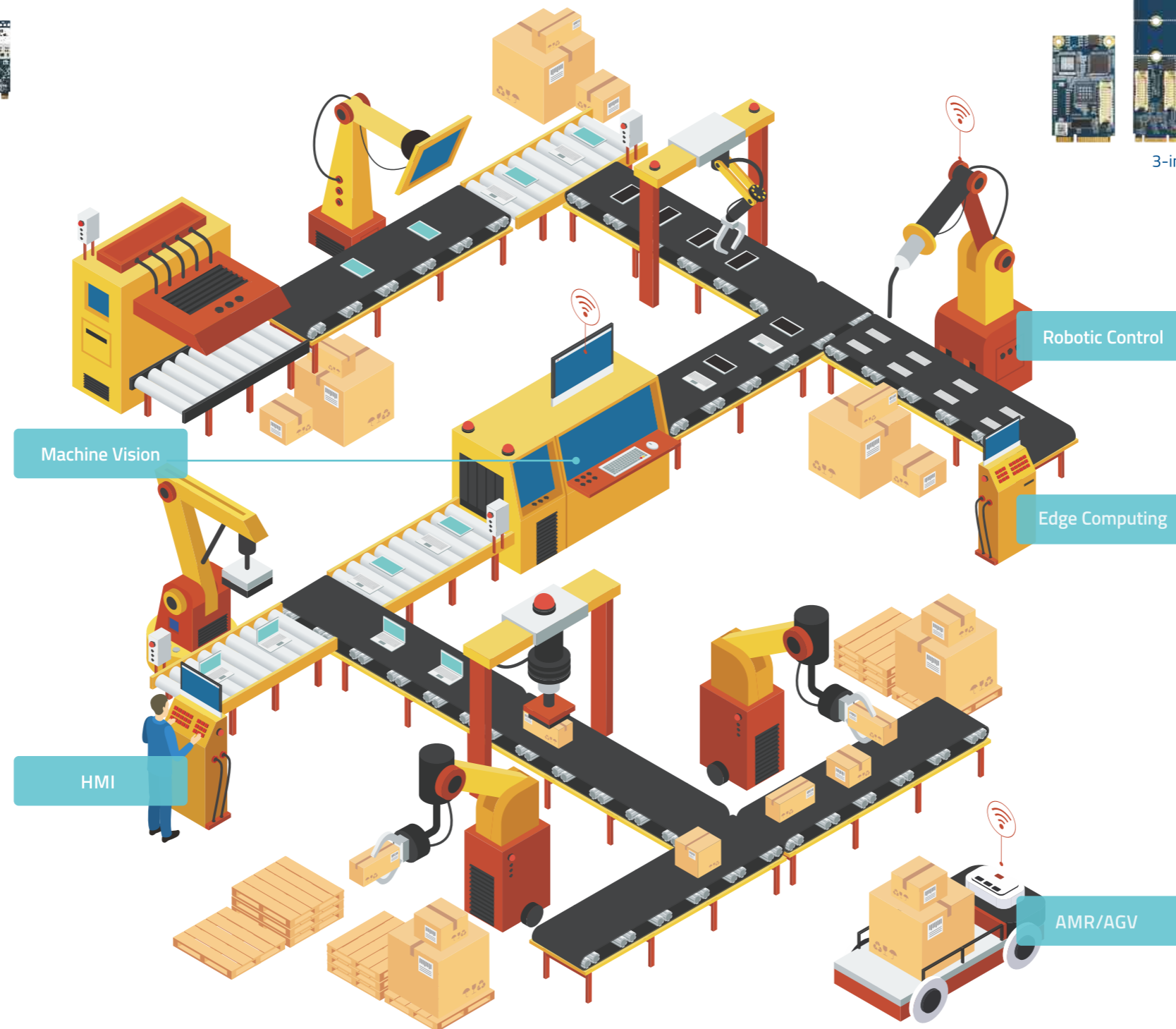
Anti-Vibration Fill

An acrylic resin fill that secures PCB and main chips in their place and prevents solder joints from coming loose, keeps flash and DRAM modules intact, and helps boost resistance to shock and vibration.



Conformal Coating

A thin protective film applied to products to protect against moisture, dust, chemicals, and sunlight. A must-have to prevent damage or failure of the electronics while simultaneously increasing their lifespan.

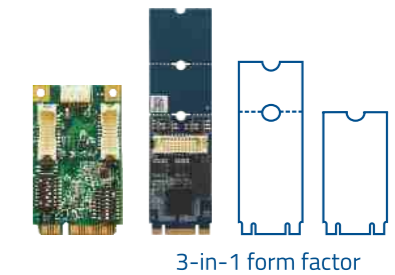


3-in-1 form factor

Modular Expansion Card

MEC-LAN (Ethernet Solution)

- Form Factor: Mini PCIe/ M.2 2242/60/80 3-in-1
- Surge Protection 2.5kV
- Wide Temp. (-40°C ~ 85°C)
- MECFIX (Versatile Mounting Mechanism)



3-in-1 form factor

Modular Expansion Card

MEC-COM (Serial Solution)

- Form Factor: Mini PCIe/ M.2 2242/60/80 3-in-1
- RS-232/422/485
- Support port to computer isolation 2.5kV
- Wide Temp. (-40°C ~ 85°C)



Modular Expansion Card

MEC-WiFi (WiFi Solution)

- Form Factor: Mini PCIe/ M.2 2230
- 802.11 a/b/g/n/ac + Bluetooth 5.0

Flash Storage Solutions

	T380	T385	T376
Interface	SATA III	SATA III	SATA III
Flash Type	TLC	TLC	TLC
Powerguard (Power Loss Protection)	–	–	✓
With DRAM Buffer	–	✓	✓
Wide Temp. (-40°C ~ 85°C)	✓	✓	✓
Anti-Vibration Fill (Optional)	✓	✓	✓
Conformal Coating (Optional)	✓	✓	✓
Form Factors	CFAST, mSATA, Half Slim, Half Size mSATA, M.2 2242/2280	2.5" SATA, mSATA	2.5" SATA, mSATA, M.2 2280

Product specifications are subject to change without prior notice.

DDR4 DRAM Module Solutions

Module Type	DIMM/SO-DIMM	VLP DIMM/VLP SO-DIMM
Data Rate	2133~3200MHz	2133~3200MHz
Capacity	4GB~32GB	4GB~32GB
Function	ECC/ Non-ECC	ECC/ Non-ECC
Pin Number	288 pin/ 260 pin	288 pin/ 260 pin
Burst Length	8	8
Bank	16	16
Voltage	1.2V	1.2V
Operating Temp.	0°C ~ 85°C/ -40°C ~ 85°C	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	MEC-WiFi	MEC-COM
Solution	Ethernet	WiFi	Serial
Form Factor	Mini PCIe/ M.2 2242/60/80 3-in-1	Mini PCIe/ M.2 2230	Mini PCIe/ M.2 2242/60/80 3-in-1
Controller	Intel I210 x1 / x2	Realtek	XR17V352 (16C550C compatible)
Frequency Range	–	802.11 a/b/g/n/ac with Bluetooth 4,0/ 4,2	–
Interface (Connector)	Ethernet 10/100/ 1000 x1 / x2 (RJ45)	–	RS-232 x 2 (DB9 male) RS-232 / 422 / 485 x 4 (DB9 male)
Dimensions (WxL, mm)	30.00 x 50.95/ 22.00 x 42.00/60.00/80.00	29.85 x 26.65/ 22.00 x 30.00	30.00 x 50.95/ 22.00 x 42.00/60.00/80.00
Operating Temp.	0°C ~ 70°C / -40°C ~ 85°C	0°C ~ 70°C	-40°C ~ 85°C
Surge Protection 2.5kV	✓	–	✓
MECFIX (Versatile Mounting Mechanism)	✓	–	–

Product specifications are subject to change without prior notice.

Our Value

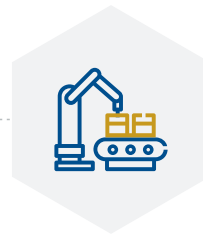
Core Competences

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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