

HEALTHCARE

Industrial Grade Storage, Memory
& Expansion Solutions



AI and data-driven healthcare are transforming how medical systems analyze, store, and access information. Cervoz provides industrial-grade storage, memory, and expansion solutions that ensure reliability, high performance, and long-term stability for intelligent healthcare applications.

Compact SSD Solutions

M.2 NVMe SSDs

- Capacity: 256GB to 2TB
- Form Factors: M.2 2230/42/80
- Interface: PCIe Gen3/4
- Wide Temp. (-40°C~+85°C)
- Powerguard (Power Loss Protection)



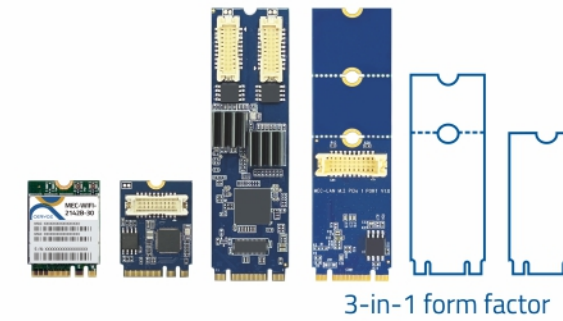
Networking Solutions

Wi-Fi Card

- Standards: Wi-Fi 5/ 6 / 6E
- Form Factors: Mini PCIe, M.2 2230 (A+E key)
- Integrated Bluetooth: Version 4.0, 5.0, 5.2
- Wide Temp. (-40°C~+85°C) (Optional)

Ethernet Cards

- Speeds: 1/ 2.5/ 10 GbE
- Form Factors: Mini PCIe, PCIe, M.2 2230/42/60/80
- Interface (Connector): RJ45, M12 X-code, SFP
- Add-On PoE+ Power Module



High Performance DRAM Modules

DDR4 / DDR5

- Density: 8GB, 16GB, 32GB, 48GB
- Speed: 3200/4800/5600MT/s
- Form Factors: DIMM/ SO-DIMM/ VLP DIMM/ VLP SO-DIMM
- Functions: Unbuffered, ECC, Registered + ECC
- Operating Temp.: 0°C~95°C/ -40°C~+95°C

Core Technologies for Healthcare



Powerguard (Power Loss Protection)

Keeps medical data secure during sudden power interruptions and protects patient records and imaging results from loss.



End-to-End Data Protection

Ensures data integrity from medical devices to storage systems, supporting accurate diagnostics and record reliability.



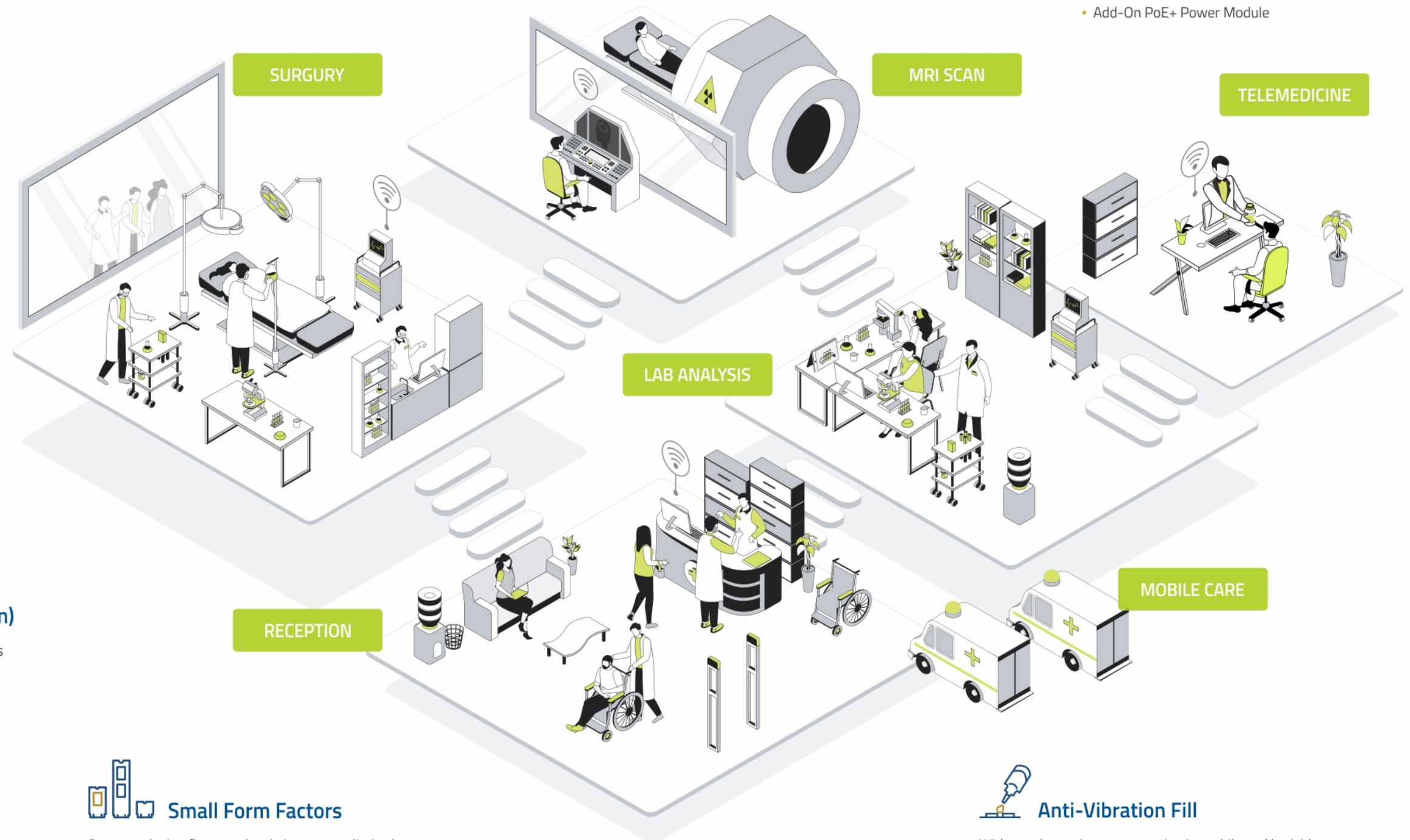
Small Form Factors

Compact design fits seamlessly into space-limited medical systems such as portable analyzers and imaging equipment.



Anti-Vibration Fill

Withstands continuous operation in mobile and bedside care equipment, ensuring stable performance under motion or impact.



Flash Storage Solutions

	T425	T436	T445/ T455
Interface	PCIe Gen 3x2	PCIe Gen 3x4	PCIe Gen 4x4
NAND Type	3D TLC	3D TLC	3D TLC
Form Factor	M.2 2230/ 2242	M.2 2280	M.2 2242/ 2280
Connector	A+E/ B+M	M	M
Capacity	128GB ~ 512GB	240GB ~ 1920GB	256GB ~ 2TB/ 240GB ~ 1920GB
Wide Temp. (-40°C ~ +85°C)	✓	✓	✓
DRAM Buffer	—	✓	—
Powerguard (PLP)	—	✓	—

Product specifications are subject to change without prior notice.

DRAM Module Solutions

Module Type	DDR4	DDR5
Speed (MT/s)	Up to 3200	4800/ 5600
Voltage	1.2V	1.1V
Density	4GB, 8GB, 16GB, 32GB	8GB, 16GB, 32GB, 48GB
Operating Temp.	0°C~95°C/ -40°C~ +95°C	0°C~95°C/ -40°C ~ +95°C
Form Factors	DIMM/ SO-DIMM/ VLP DIMM/ VLP SO-DIMM	DIMM/ SO-DIMM/ VLP DIMM
Functions	Unbuffered, ECC, Registered + ECC	Unbuffered, ECC, Registered + ECC
Anti-Vibration Fill (Optional)	✓	✓
Conformal Coating (Optional)	✓	✓

Product specifications are subject to change without prior notice.

Modular Expansion Solutions

	MEC-LAN	MEC-WiFi	MEC-CAN
Solution	Ethernet	Wi-Fi	CAN Bus (CAN FD/2.0)
Form Factor	Mini PCIe/ PCIe M.2 2230/42/60/80	Mini PCIe M.2 2230 (A+E key)	M.2 2242/60/80 3-in-1
Controller	Intel	Realtek	Fintek
Frequency Range	—	802.11a/b/g/n/ac/ax 802.11a/b/g/n/ac	—
Interface (Connector)	RJ45, M12 X-code, SFP	—	CAN Bus x 2/ 4 (DB9 male)
Dimensions (WxL/ mm)	30.00 x 50.95 22.00 x 30.00/42.00/60.00/80.00 Standard & Low-Profile PCIe	29.85 x 26.65/ 22.00 x 30.00	22.00 x 42.00/60.00/80.00
Operating Temp.	0°C ~ 70°C/ -40°C ~ +85°C		-40°C ~ +85°C
Surge Protection (2.5 Kv)	✓	—	✓
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.



Why Cervoz for Healthcare

Market-Oriented

Designed with insights from medical application trends, aligning industrial-grade reliability with healthcare needs.

Reliability-Tested

Verified through industrial validation to ensure stable performance in imaging, monitoring, and diagnostic systems.

Lifecycle-Secured

Long-term availability and fixed BOM maintain supply continuity across medical device lifecycles.

About Cervoz

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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