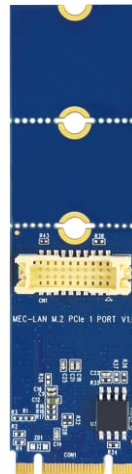
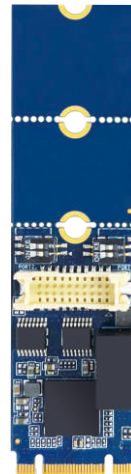


M.2 2242/2280



MEC-LAN



MEC-COM



MEC-USB



MEC-WiFi

M.2 SOLUTIONS

Industrial Storage & Expansion Card

Achieve More With Less

Following the trends in AIoT, the M.2 form factor is gaining popularity in response to the increasing demands for higher and faster computing power. Cervoz industrial-grade M.2 storage and expansion solutions bring high performance and reliability with less footprint and total cost of ownership.

M.2 Storage Solutions

Compact SSDs for Industrial Embedded and Edge AI Applications

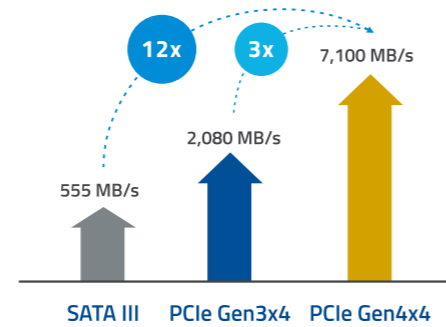
Cervoz Industrial M.2 SSDs come in 2242 and 2280 sizes with SATA III or PCIe (Gen3x4, Gen4x4) interface. The compact M.2 form factor are ideal for space-limited edge and embedded devices. For data-intensive applications, Cervoz PCIe SSDs that are NVMe compliant can reach higher performance to 12x than those with SATA III.



15°C Cooler



Dedicated Aluminum Heatsink for Better Cooling



M.2 Storage Solutions

Family	T380	T376	T405
Form Factors	M.2 2242 / M.2 2280	M.2 2280	M.2 2242 / M.2 2280
Interface	SATA III	SATA III	PCIe Gen. 3x4
Flash Type	TLC	TLC	TLC
Capacity	64GB ~ 2TB	128GB ~ 2TB	64GB ~ 1TB
Sequential Read (MB/s)	Up to 560	Up to 555	Up to 2,080
Sequential Write(MB/s)	Up to 515	Up to 475	Up to 1,640
With DRAM Buffer	–	✓	–
Powerguard (Power Loss Protection)	–	✓	–
Wide Temp. (-40°C ~ 85°C)	✓	✓	✓

Product specifications are subject to change without prior notice.

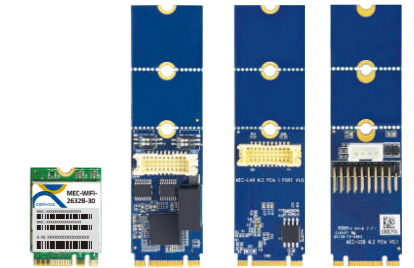
Family	T435	T436	T441
Form Factors	M.2 2242 / M.2 2280	M.2 2280	M.2 2280
Interface	PCIe Gen. 3x4	PCIe Gen. 3x4	PCIe Gen. 4x4
Flash Type	TLC	TLC	TLC
Capacity	128GB ~ 1TB	240GB ~ 1920GB	480GB ~ 3840GB
Sequential Read (MB/s)	Up to 2,085	Up to 3,445	Up to 7,100
Sequential Write(MB/s)	Up to 1,840	Up to 1,000	Up to 6,190
With DRAM Buffer	✓	✓	✓
Powerguard (Power Loss Protection)	–	✓	–
Wide Temp. (-40°C ~ 85°C)	✓	✓	–

Product specifications are subject to change without prior notice.

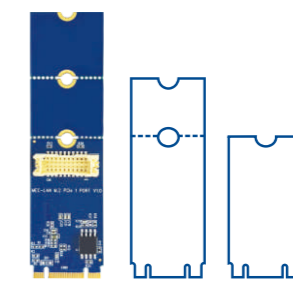
M.2 Expansion Solutions

High-Performance, Compact 3-in-1 Form Factor, Cost-Effective

Cervoz offers a wide range of Industrial M.2 Modular Expansion Solutions, including Wi-Fi, Ethernet, Serial and USB. Each product is available in M.2 2280 size, but can be disassembled into 2242 and 2260. The 3-in-1 form factor allows flexible and cost-effective upgrade to your space-constrained devices and total system solutions.



Surge Protection 2.5KV



2242/2260/2280 3-in-1 Form Factor

M.2 Expansion Solutions

Product Series	MEC-WIFI	MEC-LAN	MEC-COM	MEC-USB
Solution	Wi-Fi	Ethernet	Serial	USB
Form Factor	M.2 (A+E key) 2230	M.2 (B+M key) 2242/2260/2280		
PCI-Express Revision	–	PCI-Express Base Specification Rev. 2.0		
Electromechanical Revision	–	PCI-Express M.2 Electromechanical Rev.1.1		
Bus	–	Single-Lane (x1) PCI-Express with throughput up to 5.0 / 2.5Gbps		
Controllers	Realtek	Intel I210	XR17V352 (16C550C compatible)	Renesas (NEC) μ PD720202K8-701-BAA-A
Frequency Range	802.11 a/b/g/n/ac/ax with Bluetooth	–	–	–
Interface (Connector)	–	RJ45 x 1 RJ45 x 2	RS-232 x 2 RS-232 / 422 / 485 x 2	USB 3.0 x 2
Dimensions (W x L, mm)	22.00 x 30.00	22.00 x 42.00 22.00 x 60.00 22.00 x 80.00	22.00 x 42.00 22.00 x 60.00 22.00 x 80.00	22.00 x 42.00 22.00 x 60.00 22.00 x 80.00
Operation Temp.	0°C ~ 70°C	0°C ~ 70°C / -40°C ~ 85°C		
Surge Protection	–	2.5KV	2.5KV	–

Product specifications are subject to change without prior notice.



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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