

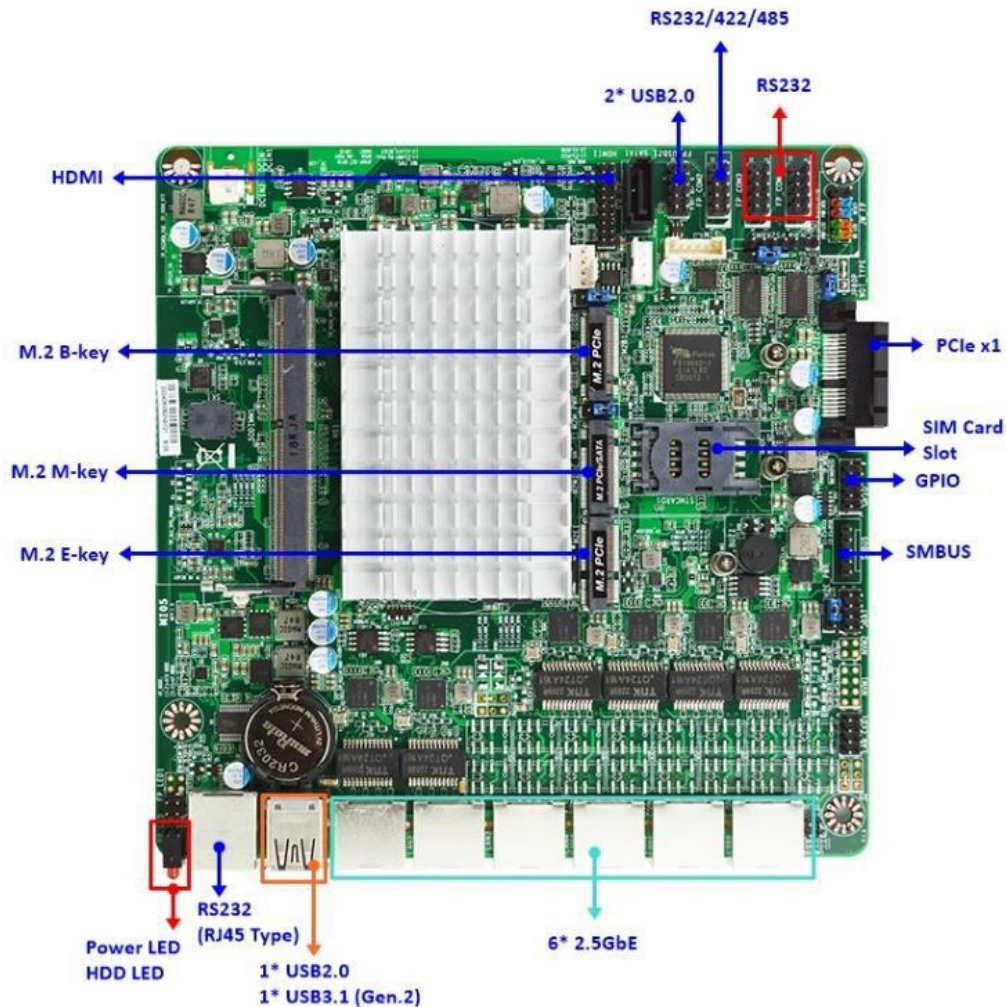
MI05K

Thin Mini-ITX Industrial Networking Motherboard 6 Intel 2.5GBE LAN / 3 COM / M.2 / 12V



Features

1. Industrial Embedded Motherboard with Planned Lifecycle Through Q1'2036
2. Intel Celeron J6412 Quad-Core, Elkhart Lake Platform
3. 1 * DDR4-3200 slot supporting up to 32GB Total
4. 6 * Intel 2.5GbE LAN, HDMI Header (with cable)
5. 1 * SATA3 6Gb/s Port, M.2 SATA/PCIE 3.0 x2 NVME 2242
6. M.2 3042 for Cellular, SIM Card Holder, M.2 2230 for WIFI
7. 1 * USB 3.2 Gen2, 3 * USB 2.0, 8bit GPIO
8. PCIE x1 Side-port, SMBus, PS2 Header
9. 3 * Serial Ports, Watchdog Timer, AT/ATX Power Mode
10. 12V 2-pin Internal Power Connector
11. Includes Alternate 2-pin power cable to DC-in jack
12. Compatible with Windows 10/11 64bit, UEFI Linux
13. Thin Mini-ITX Form Factor (170mm x 170mm)



Model / Series	<ul style="list-style-type: none"> MI05K
Part No	<ul style="list-style-type: none"> MI05-00K MI05-04K (64GB EMMC) MI05-08K (64GB EMMC, TPM 2.0)
Processor	<ul style="list-style-type: none"> Intel Celeron J6412 Quad-Core, Elkhart Lake Platform
Chipset	<ul style="list-style-type: none"> SoC
Video	<ul style="list-style-type: none"> Intel HD Graphics
Memory	<ul style="list-style-type: none"> 1 * 260-pin SO-DIMM slot supporting DDR4-3200 up to 32GB total
Expansion Slots	<ul style="list-style-type: none"> PCIE x1 Side-port slot M.2 E-key 2230 (USB/PCIE) M.2 B-key 3042 (USB only) with SIM Card Holder
Storage	<ul style="list-style-type: none"> 1 * SATA3 6Gb/s port M.2 M-key SATA/PCIE 3.0 x2 NVME 2242 OEM Option: 64GB eMMC
Audio	<ul style="list-style-type: none"> No (Intel HDMI audio)
Network	<ul style="list-style-type: none"> 6 * Intel i225/i226-V 2.5GbE
Other Features	<ul style="list-style-type: none"> Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec., TPM optional
Rear Panel I/O	<ul style="list-style-type: none"> 1 * USB 3.2 Gen2 port, 1 * USB 2.0 port 6 * RJ-45 LAN ports 1 * RJ45 Serial/console (RS232)
Internal I/O	<ul style="list-style-type: none"> 1 * USB header for 2 * USB 2.0 ports AT/ATX power switch mode, HDMI header 1080p 3 * Serial headers (2 * RS232, 1 * RS232/422/485) PS/2 KB/MS header, 8bit GPIO, SMBus 2-pin 12V internal power connector
BIOS	<ul style="list-style-type: none"> AMI Flash ROM
Box Contents	<ul style="list-style-type: none"> MI05K Motherboard, Standard & Low-profile I/O Shields, HDMI cable
Certification	<ul style="list-style-type: none"> CE, FCC, RoHS, ErP/EuP, REACH
Temperature	<ul style="list-style-type: none"> Operating Temperature 0 - 60° C, Storage Temperature -20 - 85° C
Form Factor	<ul style="list-style-type: none"> Thin Mini-ITX Form Factor (170mm x 170mm)
Warranty	<ul style="list-style-type: none"> 2 Years Limited Warranty

*Specifications subject to change without notice, not responsible for typographical errors. Overclocking not supported.



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