

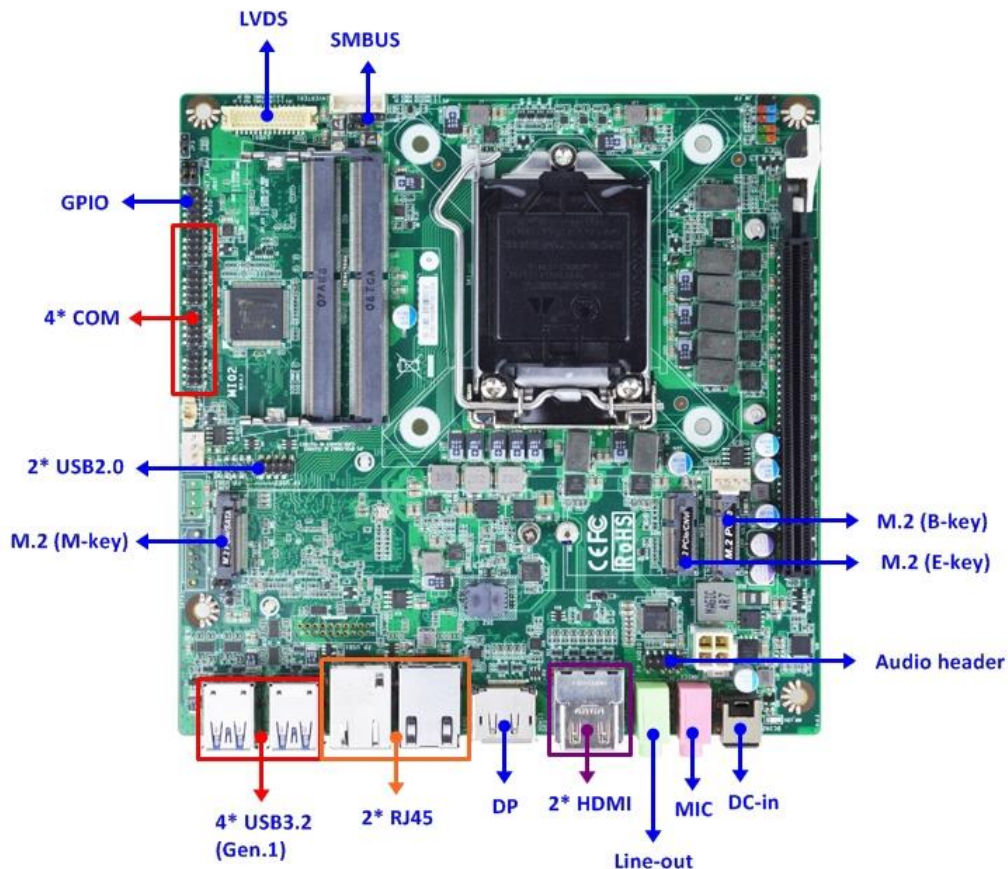
MI02-40

Thin Mini-ITX Industrial Motherboard / Comet Lake
2HDMI/DP/eDP/LVDS / 2 Intel LAN / 12-28V



Features

1. Long-Life Embedded Industrial Motherboard with Planned Lifecycle Through Q2'2035
2. Supports 10th Gen Intel Comet Lake Processors, LGA1200
3. Supports up to 2 Displays, 2HDMI, DP, eDP/LVDS
4. Supports DDR4 SODIMM up to 64GB Total
5. M.2 SATA 2280 Only
6. M.2 2230 (WIFI), M.2 3042/3052 with SIM Slot
7. Dual Intel Gigabit LAN, HD Audio, 4 * Serial Ports
8. 4 * USB 3.2 Gen1, 2 * USB 2.0
9. Watchdog Timer, 8bit GPIO, Optional TPM 2.0
10. 12-28V DC-in or 4-pin Alternate Internal Power
11. Thin Mini-ITX Form Factor (170mm x 170mm)
 - Includes full height I/O shield only



Model / Series	■ MIO2
Part No	■ MIO2-40, MIO2-42 (TPM 2.0)
Processor	■ Support 10th Gen i3, i5, i7, i9 & 11-Gen i5, i7, i9 up to 65W, LGA1200, Comet Lake
Chipset	■ Q420E
Video	■ Intel HD Graphics
Memory	■ 2 * 260-pin SO-DIMM slot supporting DDR4-2933 up to 64GB total (depends on CPU)
Expansion Slots	■ PCI Express 3.0 x16 Slot (limitation up to 25W addon card) ■ M.2 E-Key 2230 (USB/PCIE) M.2 B-key 3042/3052 (USB/PCIE) with SIM card slot
Storage	■ M.2 M-key SATA3 2280
Audio	■ Realtek HD Audio
Network	■ 1 * Intel i219-V Gigabit LAN, 1 * Intel i225-LM 2.5GbE LAN
Other Features	■ Support AHCI, ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec, Optional TPM 2.0
Rear Panel I/O	■ 4 * USB 3.2 Gen1 (5Gb/s) ports, 2 * RJ-45 ports ■ 2 * HDMI 4K @30Hz ■ 1 * Displayport 4K @60Hz ■ 3 * Audio Jack (Line Out, Mic) ■ 12V – 28V DC-in (2.5/5.5mm ID/OD jack)
Internal I/O	■ 1 * USB Headers for 2 * USB 2.0 Ports ■ 1 * eDP 4K @60Hz / 24bit LVDS ■ 1 * AT/ATX power switch mode select jumper ■ SMBUS Header, 8-bit GPIO Header, Chassis Intrusion Header ■ Alternative 4-pin internal power connector
BIOS	■ AMI Flash ROM
Box Contents	■ MIO2 Motherboard, full height I/O Shield only
Certification	■ CE, FCC, RoHS, ErP/EuP
Temperature	■ Operating Temperature 0~60 ° C, Storage Temperature -20-85 ° C
Form Factor	■ Thin Mini-ITX Form Factor (170mm x 170mm)
Warranty	■ 2 Years Limited Warranty

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



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