



MANO540 – Mini-ITX Motherboard with Intel® 10th Generation Processor Support

The MANO540 is a Mini-ITX Motherboard with support for Intel® 10th generation desktop processors up to 65W. This small board retains the functionality of a larger board without sacrificing on features. The MANO540 has a small footprint while maintaining high performance where space is a priority.

SPECIFICATIONS

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|---------------------------------|---|
| CPU | 10th gen Intel® Core™ i9/i7/i5/i3, Intel® Pentium® Processors Gold/Celeron® Processors up to 65W |
| CPU Socket | LGA 1200 |
| Memory Type | 260-pin DDR4 2933/2666/2400 MHz SO-DIMM |
| Memory Slots | 2 |
| Maximum Memory Supported | 64GB |
| Chipset | Intel® H410 |
| Integrated Graphics | Intel® Integrated HD Graphics |
| Watchdog Timer | 255 levels, 1 to 255 sec |
| LAN Ports | 1 x Intel® I219-LM Gigabit LAN, 1 x Intel® I211-AT Gigabit LAN |
| Serial ATA (SATA) | 2 x SATA III |
| Digital I/O | 8-channel in/out programmed |
| TPM | Onboard TPM 2.0 (Optional, please contact sales for more information) |
| Rear I/O | 1 x DisplayPort, 1 x HDMI, 1 x VGA, 1 x RS-232/422/485, 1 x RS-232, 2 x USB 3.2 Gen 1, 4 x USB 2.0, 2 x LAN, 1 x Mic-In, 1 x Line-Out |
| Internal I/O | 1 x USB 2.0 4-pin wafer for Touch, 4 x RS-232, 1 x eDP |
| Audio | Realtek® ALC897 HD Audio |
| Power Requirement | 24-pin ATX main power connector, 4-pin ATX 12V power connector |
| Dimensions | 6.7" x 6.7" (170mm x 170mm) |
| Operating Temperature | 32 ~ 140°F (0 ~ 60°C) |
| Storage Temperature | 14 ~ 158 °F (-10 ~ 70 °C) |
| Relative Humidity | 10 ~ 90% (non-condensing) |

OS Software Supported

Windows 10 64-bit

Global P/N / SKU

2809138

Ordering Options

MANO540-H-S (SKU# 2809138A): Mini-ITX SBC with M.2 for USB 3.2 interface
MANO540-H-S-A (SKU# 2809138B): Mini-ITX SBC with M.2 for SATA interface