



MS-CF06 – ATX Motherboard with Intel® 13th/12th Generation Processor Support

The MS-CF06 is a modern ATX motherboard with 5 PCI ports, allowing expansion with legacy cards and hardware. This board supports up to 2 independent displays, as well as 6 COM, GPIO, and 2 PCIe for interface extension. The MS-CF06 features the Intel® H610E Express chipset and 2.5 GbE LAN, making it an excellent modern industrial solution.

SPECIFICATIONS

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| CPU | Intel® 12th and 13th Generation processors up to 65W TDP |
| CPU Socket | LGA1700 |
| Memory Type | DDR5 4800MHz SDRAM UDIMM (non-ECC) |
| Memory Slots | 2 |
| Maximum Memory Supported | 64GB |
| Chipset | Intel® H610E |
| Integrated Graphics | Intel® UHD Graphics |
| Watchdog Timer | 256-Level |
| Video | 1 x VGA, 1 x HDMI |
| LAN Ports | 1 x Intel® I219LM GbE PHY, 1 x Intel® I225-V 2.5GbE |
| Serial ATA (SATA) | 4 x SATA III |
| GPIO Interface | 8-bits (4 x GPI; 4 x GPO), 5V |

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| TPM | Infineon® SLB9672VU 2.0 |
| Extended Interface | 1 x PCIe x16, 1 x PCIe x4, 5 x PCI |
| Rear I/O | 2 x USB 3.2 Gen2, 2 x USB 3.2 Gen1, 2 x USB 2.0, 1 x HDMI, 1 x VGA, 1 x RS-232/422/485, 1 x RS-232, 2 x LAN, 1 x Mic-In, 1 x Line-Out, 1 x PS/2 |
| Internal I/O | 3 x USB 2.0, 4 x RS-232, 1 x GPIO |
| Audio | Realtek® ALC897 Audio Codec (Co-lay ALC888S) |
| Power Requirement | 24 + 8-pin ATX connector |
| Dimensions | 12" x 9.6" (305mm x 244mm) |
| Operating Temperature | 0 ~ 60° C (32 ~ 140° F) |
| Storage Temperature | -20 ~ 80 °C (-4 ~ 176 °F) |
| Relative Humidity | 10 ~ 90% (non-condensing) |
| OS Software Supported | Windows 10 64-bit, Windows 11 64-bit, Linux Kernel 5.xx, Ubuntu 22.04 LTS |
| Global P/N / SKU | 2809174 |

Ordering Options

911-CF06-101 (SKU# 2809174): ATX Motherboard with 12th/13th Gen Intel® Core Processor Support