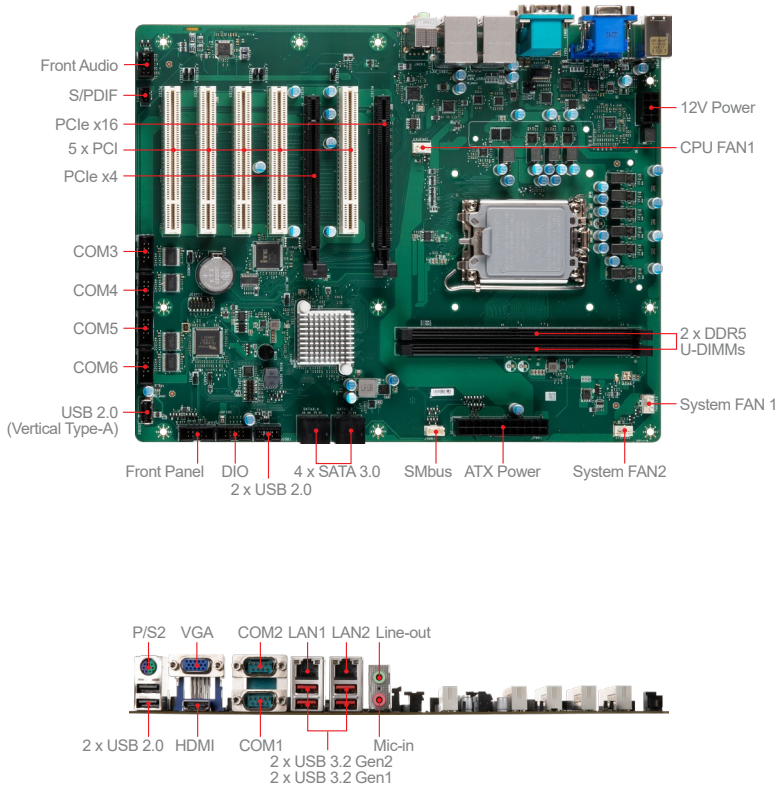


MS-CF06

ATX with 13th/12th Gen Intel® Raptor Lake-S/Alder Lake-S, Core™ i9/i7/i5/i3, Pentium®, Celeron® Processor & Intel® H610E for Mainstream Solution

NEW



Features

- Intel® 13th/12th Gen Raptor Lake-S/Alder Lake-S Series with H610E
- 2 DDR5 4800 MHz non-ECC UDIMM slots up to 64GB
- Dual independent displays: VGA, HDMI
- 1 2.5GbE LAN with RJ-45, 1 GbE LAN with RJ-45
- 1 PCIe x16 (Gen 5), 1 PCIe x4 (Gen3)
- 4 SATA 3.0 for storage
- 2 USB 3.2 Gen 2, 2 USB 3.2 Gen 1, 5 USB 2.0, 6 COM (1 RS-485), GPIO, PS/2, Audio, 2 System FAN
- Onboard TPM 2.0
- SMBus, Chassis Intrusion
- ATX Power

Ordering Information

Part Number	Description
Coming Soon	

Packing List

Part Number	Description
Coming Soon	

Specifications

Processor	CPU	13th Gen Intel® Raptor Lake-S i9/i7/i5/i3/ Pentium®/Celeron® IOTG Series Processor, Max 65W 12th Gen Intel® Alder Lake-S i9/i7/i5/i3/ Pentium®/Celeron® IOTG Series Processor, Max 65W
	Frequency	P-Core 1.1GHz~5.0GHz (Depends on CPU) E-Core 0.9GHz~3.8GHz (Depends on CPU)
	L2 Cache	4MB~30MB (Depends on CPU)
	CPU Type	Socket (LGA1700)
	Chipset	Intel® H610E Express
	BIOS	AMI UEFI
Memory	Technology	Dual-channel DDR5 (non-ECC) 4800 MHz
	Max. Capacity	Up to 64GB
	Socket	2 x 288-pin UDIMMs
Display	Controller	Intel® UHD Graphics
	Graphic Memory	Depends on CPU
	LVDS	N/A
	eDP	N/A
	VGA	1
	DVI	N/A
	HDMI	1
	DisplayPort	N/A
	Multiple Display	2 independent displays
	Display Interface	VGA up to 1920 x 1200 @60Hz HDMI up to 4096 x 2160 @24Hz
Ethernet	Controller	1 x Intel® I219LM GbE LAN PHY 1 x Intel® I225-V 2.5GbE LAN
Audio	Controller	Realtek® ALC897 Audio Codec (Co-lay ALC888S)
Super I/O	Controller	FINTEK F81966D-I
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	Infineon® SLB9672VU2.0
I/O Interface	USB	2 x USB 3.2 Gen 2 x1 Ports (2 x Rear) 2 x USB 3.2 Gen 1 x1 Ports (2 x Rear) 5 x USB 2.0-Ports (2 x Rear, 3 x Internal with one Vertical Type-A)
	Serial	6 x COM-Ports for COM1 ~ 6 (2 Rear, 4 x Internal) COM1 RS-232/422/485 0V/5V/12V, Auto-flow Control Supported COM2/3/4/5/6 RS-232, COM2 0V/5V/12V
	Parallel	N/A
	PS/2	1 x PS/2 port by Y-cable for keyboard and mouse
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
	Expansion Slot	PCIe x16
PCIe x4		1
PCIe x1		N/A
PCI		5
M.2		N/A
Mini-PCIe		N/A
Storage		SATA
	IDE	N/A
	eSATA	N/A
	CFast	N/A
	mSATA	N/A
	CompactFlash	N/A
Power Supply	DC	N/A
	ATX	ATX-Power 24P, 12V-8P
Environment	Operating Temperature	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions	305 x 244mm (ATX)
	Weight	0.728 Kg
Certification	EMC	CE, FCC Class B, BSMI, RCM, VCCI, UKCA, CN
Software Platform	OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit) Windows 11 IoT Enterprise 22H2 (64-bit) Linux Kernel 5.xx, Ubuntu 22.04 LTS Pre-scan Noted : All driver base on Intel & chip vendor supported