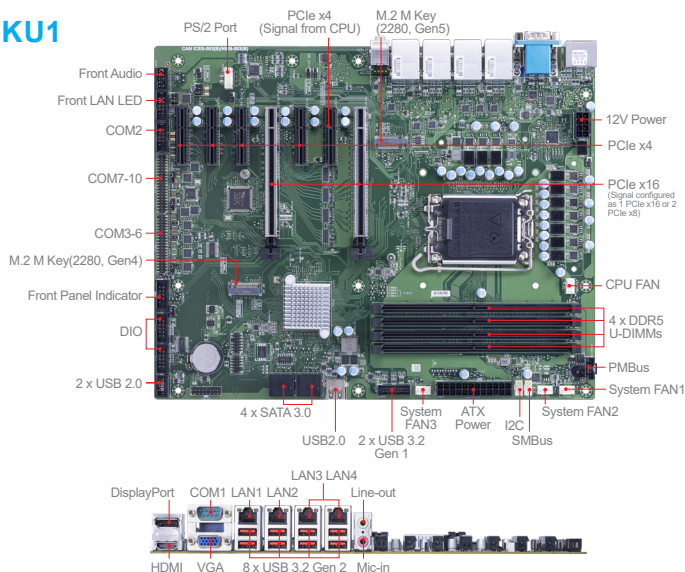


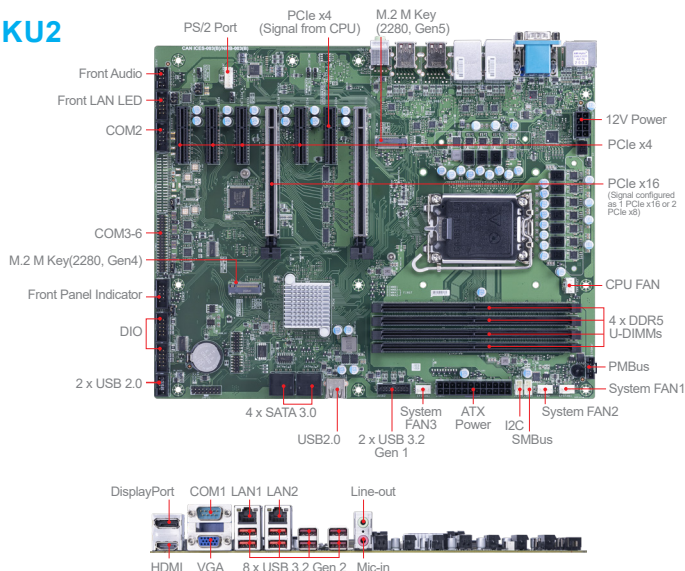
MS-CF20 V2.0

ATX with Intel® Arrow Lake-S , Core™ U9/U7/U5 & Intel® W880 for High-Performance Solution

SKU1



SKU2



NEW

Specifications

		SKU1	SKU2
		Intel® Arrow Lake-S Core™ Ultra 9/7/5, Max 125W	
Processor	CPU	Intel® Arrow Lake-S Core™ Ultra 9/7/5, Max 125W	
	Frequency	P-Core 1.4GHz~5.6GHz (Depends on CPU) E-Core 1.2GHz~4.6GHz (Depends on CPU)	
	L2 Cache	3MB~36MB (Depends on CPU)	
	CPU Type	Socket (LGA1851)	
	Chipset	Intel® W880	
Memory	BIOS	AMI UEFI	
	Technology	Dual-channel DDR5 (ECC/non-ECC) 5600 MT/s (ECC support will depend on CPU)	
	Max. Capacity	Up to 256GB	
	Socket	4 x 288-pin UDIMMs	
	Controller	Intel® UHD Graphics	
Display	Graphic Memory	Depends on CPU	
	VGA	1	
	HDMI	1	
	DisplayPort	1	
	Multiple Display	3 independent displays	
Ethernet	Display Interface	VGA up to 1920 x 1200 @60Hz HDMI up to 4096 x 2160 @60Hz DP up to 4096 x 2304 @60Hz	
	Controller	4 x Intel® I226-LM 2.5GbE LAN	2 x Intel® I226-LM 2.5GbE LAN
	Audio	Realtek® ALC897 Audio Codec	
	Super I/O	FINTek F81967D-I	
	Watchdog Timer	256-level Watchdog Timer	
H/W Monitor	Smart Fan	Yes	
TPM	Controller	Infineon® SLB9672VU2.0	
	USB	8 x USB 3.2 Gen 2 x1 (8 x rear) 2 x USB 3.2 Gen 1 (2 x internal) 3 x USB 2.0 (3 x internal with one Right Angle Type-A Connector)	
	Serial	10 x COM ports (1 x rear, 9 x internal) COM1~2: RS-232/422/485, Ring/0V/5V/12V, Auto-flow Control (Default set to Ring) COM3~6: RS-232, 0V/5V/12V, Auto-flow Control (Default set to Ring) COM7~10: RS-232, 0V/5V/12V, Auto-flow Control	6 x COM ports (1 x rear, 5 x internal) COM1~2: RS-232/422/485, Ring/0V/5V/12V, Auto-flow Control (Default set to Ring) COM3~6: RS-232, 0V/5V/12V, Auto-flow Control
		1 x PS/2 port by Y-cable for keyboard and mouse	
		16-bits (8 x GPI; 8 x GPO), 5V	
Expansion Slot	PCIe x16	2 (Signal configured as 1 PCIe x16 or 2 PCIe x8)	
	PCIe x4	5	
	PCIe	N/A	
	M.2	1 x M key (Signal from CPU) 2280, 1 x M key (Signal Shared by PCIe Slot5) 2280	
	SATA	4 x SATA 3.0 (RAID 0/1/5/10)	
Storage	Power Supply	ATX-Power 24P, 12V-8P	
	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 244 mm (ATX)	
	Weight	0.766 kg	0.738 kg
	Certification	EMC	
	OS Support	Windows 10 IoT Enterprise 2021 LTSC (64-bit) Windows 11 IoT Enterprise 24H2 LTSC (64-bit) Linux (Support by request) Noted : All driver base on Intel & chip vendor supported	

Features

- Intel® Arrow Lake-S Series with W880
- 4 DDR5 5600 MT/s ECC/non-ECC UDIMM slots up to 256GB
- Triple independent displays: VGA, DP, HDMI
- 2 or 4 2.5GbE LAN with RJ-45
- 1 PCIe x16 (Gen 5) Slot or 2 PCIe x8 (Gen 5), 5 PCIe x4 (Gen 4, 1 signal from CPU, 4 signal from PCH)
- 2 M.2 M key, 4 SATA 3.0 for storage
- SATA RAID 0/1/5/10
- 8 USB 3.2 Gen 2, 2 USB 3.2 Gen 1, 3 USB 2.0, 10 COM (2 RS-485 / 8 RS-232), GPIO, PS/2, Audio, 3 System FAN
- Onboard TPM 2.0
- SMBus, I2C, PMBus, iAMT 19.x, Chassis Intrusion
- ATX Power