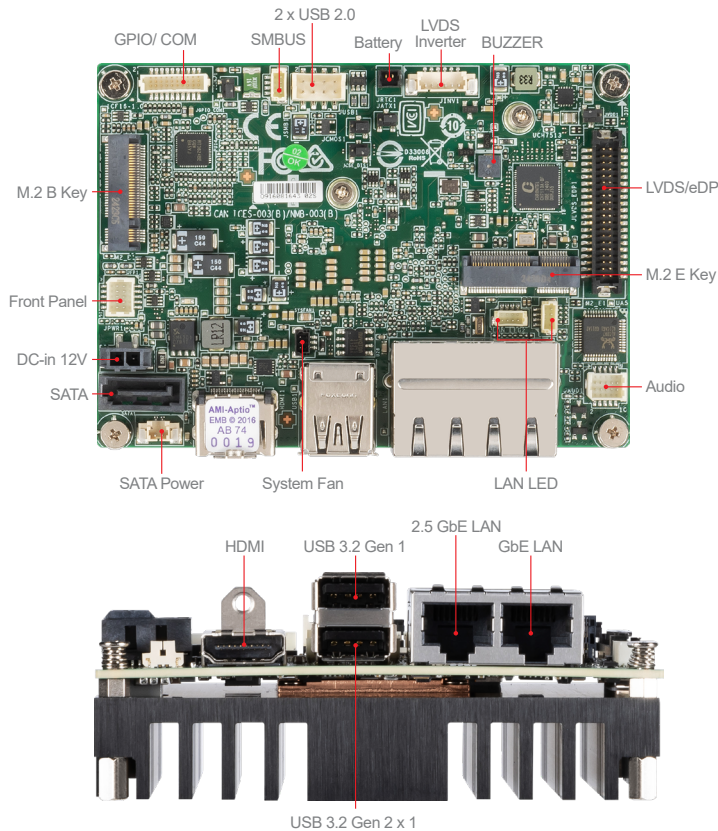


NEW



Features

- Intel® Alder Lake-N/ Amston Lake Series SoC
- LPDDR5 4800 MHz onboard memory up to 16GB
- Dual independent displays: HDMI, LVDS/eDP
- 1 2.5 GbE/1 GbE LAN with RJ-45
- 2 USB 3.2 (Bottom layer USB 3.2 Gen 2 x 1, Top layer USB 3.2 Gen 1), 2 USB 2.0, 1 COM (RS-232/422/485), GPIO, Audio
- 1 M.2 B Key, 1 M.2 E Key Slot
- SATA 3.0 for storage
- Wide operating temperature : -40~70°C
- DC-IN 12V

Ordering Information

Part Number	Description
916-CF16-002	MS-CF16606-CF16-090806-CF16-015 13 INTEL ADL-N N97, LPDDR5 4GB, 1*HDMI, 1*LVDS/eDP, 1*M.2 E key, 1*M.2 B key, 1*2.5GbE LAN, 1*GbE LAN, 1*SATA 3.0, 1*USB 3.2 Gen 2, 1*USB 3.2 Gen 1, 2*USB2.0, GPIO, 1*COM, TPM2.0, DC-in 12V, Non-WT, Single 12-PACK For Channel
916-CF16-003	MS-CF16606-CF16-100806-CF16-016 13 INTEL ADL-N N97, LPDDR5 8GB, 1*HDMI, 1*LVDS/eDP, 1*M.2 E key, 1*M.2 B key, 1*2.5GbE LAN, 1*GbE LAN, 1*SATA 3.0, 1*USB 3.2 Gen 2, 1*USB 3.2 Gen 1, 2*USB2.0, GPIO, 1*COM, TPM2.0, DC-in 12V, Non-WT, Single 12-PACK For Channel
916-CF16-004	MS-CF16606-CF16-110806-CF16-017 13 INTEL ADL-N N97, LPDDR5 16GB, 1*HDMI, 1*LVDS/eDP, 1*M.2 E key, 1*M.2 B key, 1*2.5GbE LAN, 1*GbE LAN, 1*SATA 3.0, 1*USB 3.2 Gen 2, 1*USB 3.2 Gen 1, 2*USB2.0, GPIO, 1*COM, TPM2.0, DC-in 12V, Non-WT, Single 12-PACK For Channel
916-CF16-005	MS-CF16606-CF16-120806-CF16-018 13 INTEL ADL X7425E, LPDDR5 8GB, 1*HDMI, 1*LVDS/eDP, 1*M.2 E key, 1*M.2 B key, 1*2.5GbE LAN, 1*GbE LAN, 1*SATA 3.0, 1*USB 3.2 Gen 2, 1*USB 3.2 Gen 1, 2*USB2.0, GPIO, 1*COM, TPM2.0, DC-in 12V, Non-WT, Single 12-PACK For Channel
916-CF16-006	MS-CF16606-CF16-130806-CF16-019 13 INTEL ASL X7433RE, LPDDR5 8GB, 1*HDMI, 1*LVDS/eDP, 1*M.2 E key, 1*M.2 B key, 1*2.5GbE LAN, 1*GbE LAN, 1*SATA 3.0, 1*USB 3.2 Gen 2, 1*USB 3.2 Gen 1, 2*USB2.0, GPIO, 1*COM, TPM2.0, DC-in 12V, WT, Single 12-PACK For Channel
916-CF16-007	MS-CF16606-CF16-140806-CF16-020 13 INTEL ASL X7433RE, LPDDR5 16GB, 1*HDMI, 1*LVDS/eDP, 1*M.2 E key, 1*M.2 B key, 1*2.5GbE LAN, 1*GbE LAN, 1*SATA 3.0, 1*USB 3.2 Gen 2, 1*USB 3.2 Gen 1, 2*USB2.0, GPIO, 1*COM, TPM2.0, DC-in 12V, WT, Single 12-PACK For Channel

Specifications

Processor	CPU	Alder Lake -N SKUs	Amston Lake SKU
		Intel® IOTG Alder Lake-N Processor N97, QC, 12W Intel® IOTG Alder Lake-N Atom x7425E, QC, 12W	Intel® IOTG Amston Lake Atom, X7433RE, QC, 9W
Memory	Frequency	N97, 2.0GHz, up to 3.6 GHz x7425E, 1.5GHz, up to 3.4 GHz	X7433RE, 1.5GHz, up to 3.4 GHz
	L2 Cache	6MB	
	CPU Type	BGA	
	Chipset	Integrated in SoC	
	BIOS	AMI	
Display	Technology	Single-channel LPDDR5 4800 MHz	
	Max. Capacity	Up to 16GB	
	Socket	Onboard	
Ethernet	Controller	Intel® HD Graphics	
	Graphic Memory	Depends on CPU	
	LVDS	Dual Channel 18/24-bit	
	eDP	1 (Signal shared with LVDS)	
	HDMI	1	
Audio	Multiple Display	2 independent displays	
	Display Interface	LVDS/eDP up to 1920 x 1200 @60Hz HDMI up to 3840 x 2160 @30Hz	
Super I/O	Controller	1 x Realtek® RTL8125BG-CG 2.5GbE LAN 1 x Realtek® RTL8111K-CG 1GbE LAN	1 x Realtek® RTL8125BI-CG 2.5GbE LAN 1 x Realtek® RTL8111KI-CG 1GbE LAN
	Controller	Realtek® ALC897 High Definition Audio Codec	
H/W Monitor	Controller	Fintek F81966AB-I	
	Watchdog Timer	256-level Watchdog Timer	
TPM	Controller	Infineon® SLB 9672VU2.0	Infineon® SLB 9672XU2.0
I/O Interface	USB	2 x USB 3.2 ports (rear) (Bottom layer USB 3.2 Gen 2 x 1, Top layer USB 3.2 Gen 1) 2 x USB 2.0 ports (internal)	
	Serial	1 x COM port (internal) COM: RS-232/422/485, 0V/5V/12V	
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V	
	M.2	1 x E key 2230 (PCIe x1 + USB 2.0) 1 x B key 2242/3042 (PCIe x1/SATA 3.0 + USB 3.2 Gen 2 + USB 2.0)	
Storage	SATA	1 x SATA 3.0	
	DC	DC-in 12V	
Power Supply	ATX	N/A	
Environment	Operating Temperature	-10 ~ 60°C Note: 1. Thermal w/ Airflow: 0.7m/s 2. The standard thermal solution only supports TDP up to 12W.	-40 ~ 70°C Note: 1. Thermal w/ Airflow: 0.7m/s 2. The standard thermal solution only supports TDP up to 9W. 3. -40 ~ 85°C by request
	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	-40 ~ 85°C
	Storage Humidity	10 ~ 90%, non-condensing	
	Dimensions	101 x 73 mm (Pico-ITX)	
Form Factor	Weight	0.30 kg	
	Certification	EMC	
Software Platform	OS Support	CE, FCC Class B, BSMI, VCCI, RCM, UKCA, IC Windows 10 IoT Enterprise 21H2 LTSC (64-bit) Windows 11 IoT Enterprise 24H2 LTSC (64-bit) Linux (Support by request)	

Packing List

Part Number	Description	Quantity
K14-3018013-V03	COM PORT Cable, 150mm	1
K1B-3008067-V03	USB Cable, 150mm	1
K1D-3010008-V03	SATA Cable with Power, 150mm	1
K1G-3002069-V03	DC Power Cable, 150mm	1
K10-3004466-V03	LAN LED Cable, 150mm	2

Optional Item

Part Number	Description
E31-0807850-K08	Heatspreader