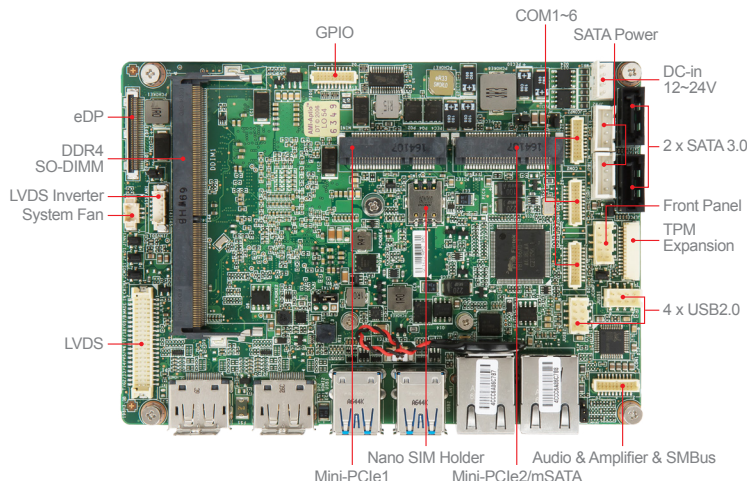


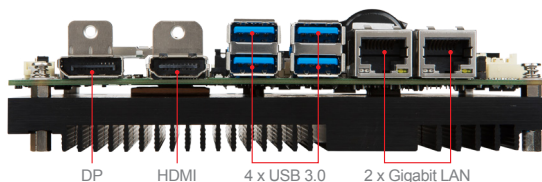
MS-98H3

3.5" SBC with Intel® Kaby Lake-U/Skylake-U for Fanless, Low-Power & High-Performance Solution

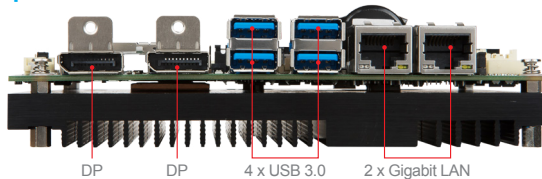
NEW



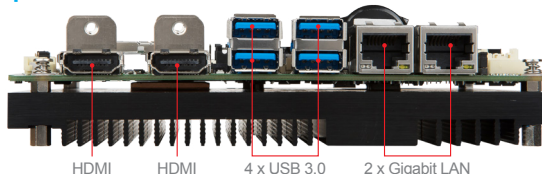
Standard : DP+HDMI



Optional : 2 DP



Optional : 2 HDMI



Features

- Intel® Kaby Lake-U/Skylake-U Series SoC
- Supports DDR4 2133 MHz SO-DIMM memory up to 16GB
- 3 independent displays with HDMI, DP, eDP, and LVDS outputs
- 4 USB 3.0, 4 USB 2.0, and 6 COM ports
- Dual Mini-PCle, 2 SATA3.0, mSATA, NANO SIM-Holder, and Dual GbE LAN
- Supports DC-in 12~24V

Ordering Information

Part Number	Description
153566	MS-98H3-7600U-001 Intel Kaby Lake-U i7-7600U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V
153571	MS-98H3-7300U-002 11 OPT:A Intel Kaby Lake-U i5-7300U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V
153577	MS-98H3-7100U-003 11 OPT:B Intel Kaby Lake-U i3-7100U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V
153578	MS-98H3-3965U-004 11 OPT:C Intel Kaby Lake-U 3965U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V
153581	MS-98H3-6600U-005 11 OPT:D Intel Kaby Lake-U i7-6600U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V
153585	MS-98H3-6300U-006 11 OPT:E Intel Kaby Lake-U i5-6300U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V
152320	MS-98H3-6100U-007 11 OPT:F Intel Kaby Lake-U i3-6100U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V
153586	MS-98H3-3955U-008 11 OPT:G Intel Kaby Lake-U 3955U,DDR4 SO DIMM+DP+HDMI+LVDS+eDP+2*Mini-PCle+2*LAN+ 2*SATA3.0+4*USB3.0+2*USB 2.0+6*COM+Micro SD,DC 12V~24V

Specifications

Processor	CPU	7th/6th Gen Intel® Embedded Mobile Kaby Lake-U/Skylake-U Core™ i7/i5/i3/ Celeron® Processor, DC, 15W	
	Frequency	2.0GHz~3.4GHz (Depends on CPU)	
	L2 Cache	2MB~4MB (Depends on CPU)	
	CPU Type	BGA	
	Chipset	N/A	
Memory	BIOS	AMI	
	Technology	Single-channel DDR4 2133MHz	
	Max. Capacity	Up to 16GB	
	Socket	1 x 260-pin SO-DIMMs	
Display	Controller	Intel® HD Graphics	
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM	
	LVDS	Dual Channel 18/24-bit	
	eDP	1 (Share with LVDS Singnal)	
	HDMI	1 (HDMI1 Co-lay DP1 by Optional, HDMI2 Co-lay DP2 by Optional)	
Ethernet	Controller	1 x Intel® I210-AT GbE LAN 1 x Intel® I219LM GbE-PHY LAN (AMT 11.x supported)	
	Audio	Controller Realtek® ALC887-VD2-CG HD Audio Codec	
	Super I/O	Controller Fintek F81866AD-I	
H/W Monitor	Watchdog Timer	256-level Watchdog Timer	
	Smart Fan	Yes	
TPM	Controller	Pin header	
	I/O Interface	USB	4 x USB 3.0 (4 x Rear) 4 x USB 2.0 (4 x Internal)
		Serial	6 x COM (Internal) COM1: RS-232/422/485, 0V/5V/12V, support auto flow control COM2-6: RS-232, 0V/5V/12V (RS-422/485 by Optional)
Expansion Slot	GPIO	16-bits (8 x GPI; 8 x GPO)	
	Mini-PCle	2 x Full-size (Mini-PCle1 Slot w/ NANO SIM-Holder) (Mini-PCle2 Slot w/ mSATA)	
Storage	SATA	2 x SATA 3.0	
	mSATA	1 (Shared with Mini-PCle2)	
Power Supply	DC	DC-in 12~24V	
	ATX	N/A	
Environment	Operating Temperature	-10 ~ 60°C Note: Thermal Test w/ Airflow:0.7m/s	
	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	
	Storage Humidity	10 ~ 90%, non-condensing	
Form Factor	Dimensions	146mm x 102mm (3.5")	
	Weight	0.59 kg	
Certification	EMC	FCC, CE, RCM, VCCI, BSMI	
Software Platform	OS Support	Windows 7 (32/64bit) (Sky Lake-ULT Only)	
		Windows 8.1 (64bit) (Sky Lake-ULT Only) Windows 10 (64bit) Fedora 25 Ubuntu 16.04	

Packing List

Part Number	Description	Quantity
G71-SEDC173-N56 / G71-SEDC173-X03	Driver CD	1
K1G-3004069-V03	DC Power Cable, 150mm	1
K14-3018001-V03	COM Port Cable, 150mm	1
K1B-3008034-V03	USB Cable, 150mm	1
K1D-1012064-V03	SATA Cable with Power, 200mm	1