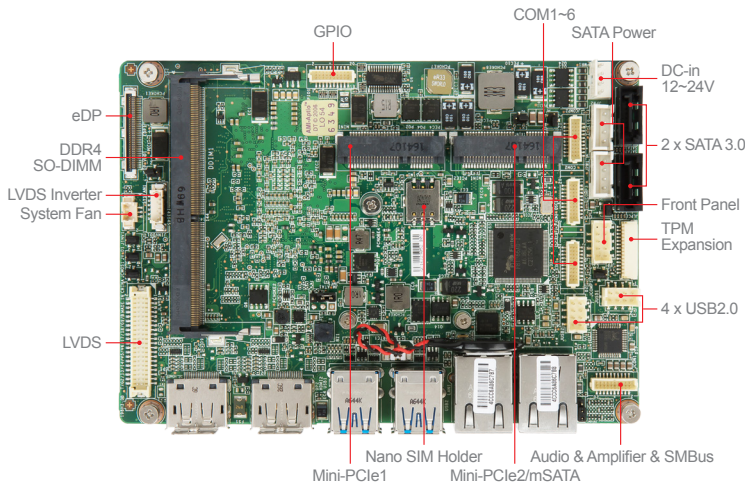


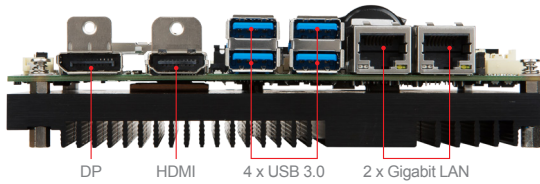
# MS-98H3

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

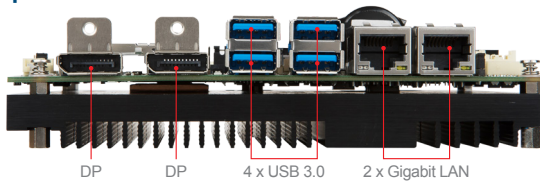
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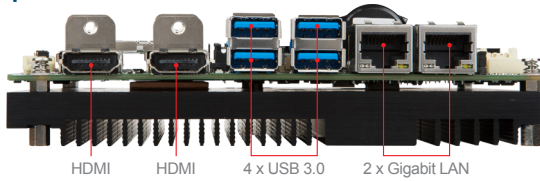
## Standard : DP+HDMI



## 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
Coming soon	

## Packing List

Part Number	Description
Coming soon	

## Specifications

<b>Processor</b>	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
<b>Memory</b>	Chipset	N/A
	BIOS	AMI
	Technology	Dual-channel DDR4 2133MHz
	Max. Capacity	Up to 16GB
<b>Display</b>	Socket	1 x 260-pin SO-DIMMs
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	Dual Channel 18/24-bit
<b>Ethernet</b>	eDP	1 (Share with LVDS Singnal)
	HDMI	1 (HDMI1 Co-lay DP1 by Optional, HDMI2 Co-lay DP2 by Optional)
	DisplayPort	1 (DP1 Co-lay HDMI1 by Optional, DP2 Co-lay HDMI2 by Optional)
	Multiple Display	3 independent displays
<b>Audio</b>	Display Interface	LVDS up to 1920x1200 @ 60 Hz, eDP up to 4096x2304 @ 60 Hz, HDMI1/HDMI2 HDMI1.4 up to 4096x2160 @ 24 Hz DP1/DP2 up to 3840x2160@60hz + 1920x1200@60hz
	Controller	1 x Intel® I210-AT GbE LAN 1 x Intel® I219LM GbE-PHY LAN (AMT 11.x supported)
	Controller	Realtek® ALC887-VD2-CG HD Audio Codec
	Controller	Fintek F81866AD-I
<b>Super I/O</b>	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
	Controller	Pin header
	Controller	Pin header
<b>Expansion Slot</b>	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)
	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)
<b>Storage</b>	SATA	2 x SATA 3.0
	mSATA	1 (Shared with Mini-PCle2)
<b>Power Supply</b>	DC	DC-in 12~24V
	ATX	N/A
<b>Environment</b>	Operating Temperature	-10 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
<b>Form Factor</b>	Dimensions	146mm x 102mm (3.5")
	Weight	0.59 kg
<b>Certification</b>	EMC	FCC, CE, RCM, VCCI, BSMI
<b>Software Platform</b>	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