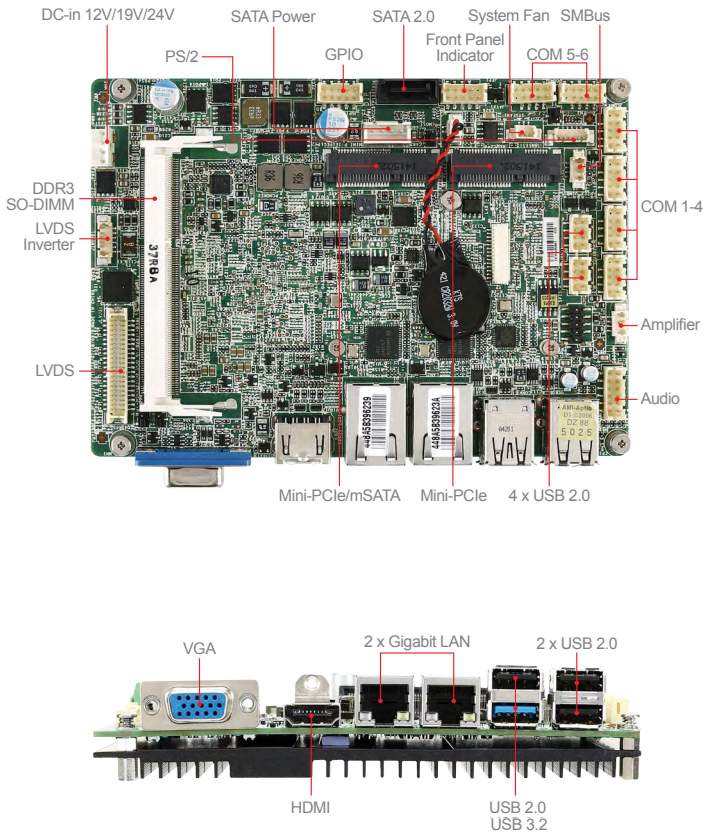


MS-98F6

3.5" SBC with Intel® Bay Trail-D/M Series Platform for High-Performance, Low-Power & Fanless Solution



Features

- Intel® Bay Trail-D/M Series SoC
- DDR3L 1333/1600 MHz SODIMM up to 8GB
- Triple independent displays: VGA, HDMI, LVDS
- 2 GbE LAN with RJ-45
- 2 Mini-PCIe (Full size, 1 with mSATA)
- SATA 2.0 for storage
- USB 3.2 Gen 1, 7 USB 2.0, 6 COM (1 RS-485), GPIO, PS/2, Audio
- DC-IN 12V/19V/24V

Ordering Information

Part Number	Description
919-98F6-004	MS-98F6 11 OPT:A Intel Bay Trail M-N2930, DDR3L SO DIMM+VGA+HDMI+LVDS+2*Mini-PCIe+2*LAN+ 1*SATA2.0+ 1*USB3.0+7*USB 2.0+6*COM, DC 12V/19V/24V
919-98F6-007	MS-98F6\609-98F6-120\809-98F6-007\STD VER11 OPT:N Intel Bay Trail D-J1900 D1 Stepping, DDR3L SO DIMM+VGA+HDMI+LVDS+2*Mini-PCIe+2*LAN+ 1*SATA2.0+1*USB3.0+7*USB 2.0+6*COM, DC 12V/19V/24V
919-98F6-008	MS-98F6\609-98F6-150\809-98F6-011 STD VER12 Intel Bay Trail D-J1900 D1 Stepping,DDR3L SO DIMM+VGA+HDMI+LVDS+2*Mini-PCIe+2*LAN+ 1*SATA2.0+1*USB3.0+7*USB 2.0+6*COM,DC 12V/19V/24V, Single

Packing List

Part Number	Description	Quantity
K10-3002145-V03	DC Power Cable, 120mm	1
K14-1009062-V03	COM Port Cable, 250mm	1
K1B-3008067-V03	USB Cable, 150mm	1
K1D-1012064-V03	SATA Cable with Power, 200mm	1

Specifications

Processor	CPU	Intel® Celeron® Processor J1900, QC, 10W Intel® Celeron® Processor N2930, QC, 7.5W
	Frequency	J1900, 2 GHz N2930, 1.83 GHz
	L2 Cache	2MB
	CPU Type	BGA
	Chipset	N/A
Memory	BIOS	AMI
	Technology	Single-channel DDR3L 1333 MHz
	Max. Capacity	Up to 8GB
Display	Socket	1 x 204-pin SO-DIMM
	Controller	Intel® HD Graphics
	Graphic Memory	Depends on CPU
	LVDS	Dual Channel 18/24-bit
	VGA	1
	HDMI	1
	Multiple Display	2 independent displays
Display Interface	VGA up to 2560 x 1600 @60Hz HDMI up to 1920 x 1080 @60Hz LVDS up to 1920 x 1200 @60Hz	
	Display Interface	
Ethernet	Controller	2 x Intel® I210-AT GbE LAN
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
TPM	Controller	N/A
I/O Interface	USB	7 x USB 2.0 (4 x internal, 3 x rear) 1 x USB 3.2 Gen 1 (rear)
	Serial	6 x COM ports (internal) COM1: RS-232/422/485, 0V/5V/12V COM2~6: RS-232, 0V/5V/12V
	PS/2	1 (wafer connector)
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
Expansion Slot	M.2	N/A
	Mini-PCIe	2 x Full-size (one w/ mSATA)
Storage	SATA	1 x SATA 2.0
	mSATA	1
Power Supply	DC	DC-in 12V/19V/24V
	ATX	N/A
Environment	Operating Temperature	-10 ~ 60°C Note: Thermal 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	146 x 102 mm (3.5")
	Weight	0.31 kg
Certification	EMC	FCC, CE, RCM, VCCI, BSMI
Software Platform	OS Support	Windows 7 (32/64-bit) Windows 8.1 (32/64-bit) Windows 10 (32/64-bit) Linux (Support by request)