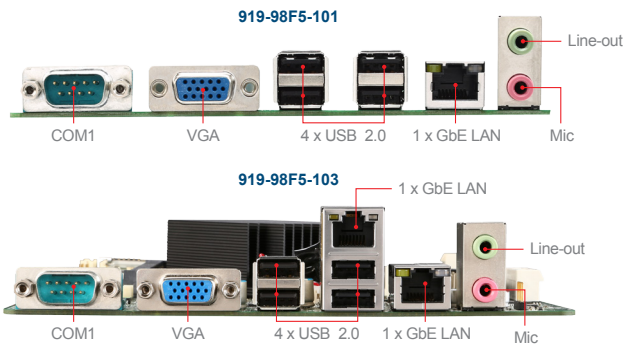
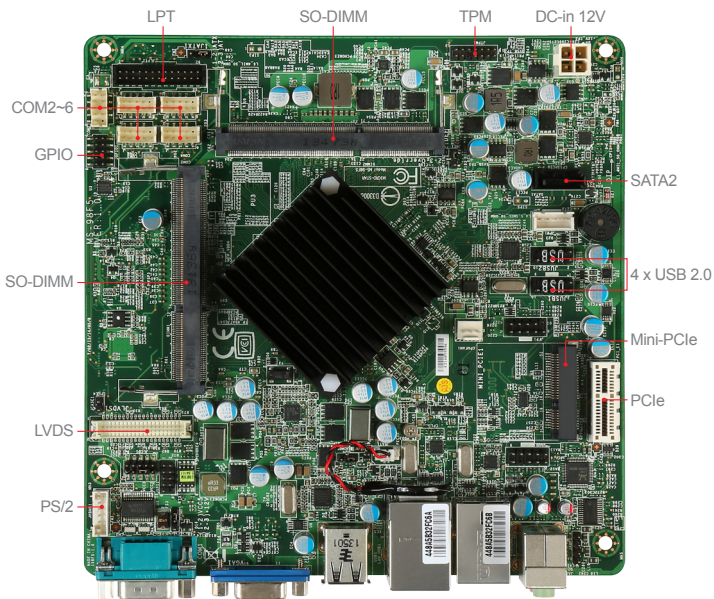


# MS-98F5

Intel® BayTrail Solution with Low Power and Low Profile Design

NEW



## Features

- Support Intel® BayTrail Quad Core 1.83/2GHz processor
- Low power and fanless design
- Support 6 COMs and 8 USB 2.0
- Intel® Gen 7 graphics technology

## Ordering Information

Part Number	Description
919-98F5-101	MS-98F5/MS-98F5/609-98F5-010/809-98F5-102/MS-98F5 VER 10 OPT A FOR MS-98F5 STD SKU, 1 LAN, 1 SO-DIMM BULK
919-98F5-103	MS-98F5/MS-98F5/609-98F5-020/809-98F5-101/MS-98F5 VER 10 OPT B FOR MS-98F5 STD SKU, 2 LAN, 2 SO-DIMM BULK

## Packing List

Part Number	Description
E21-98F5010-C22	I/O Shield (2 x LAN)
E21-98F5020-C22	I/O Shield (1 x LAN)
G71-SEDC117-X03	Driver CD
K10-3004215-V03	DC power cable, 160mm
K1D-1012064-V03	SATA cable, 200mm

## Specifications

<b>Processor</b>	CPU	Intel® Celeron® Processor J1900/N2930
	Frequency	2 GHz (Quad Core, for J1900) 1.83 GHz (Quad Core, for N2930)
	L2 Cache	2 MB
	CPU Type	BGA
	Chipset	Integrated
<b>Memory</b>	BIOS	AMI
	Technology	Dual-channel DDR3L 1333/1066 MHz
	Max. Capacity	Up to 8GB
<b>Display</b>	Socket	2 or 1 x 204-pin SO-DIMMs (depends on SKU)
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	Dual Channel 24-bit (add chrontel 7511B chipset)
	VGA	1
<b>Ethernet</b>	Multiple Display	2 independent displays
	Display Interface	VGA up to 2560 x 1600 LVDS up to 1920 x 1200
<b>Audio</b>	Controller	2 or 1 x Realtek® RTL8111G-CG GbE LAN (depends on SKU)
<b>Super I/O</b>	Controller	Realtek® ALC887 HD Audio Codec
<b>H/W Monitor</b>	Controller	Fintek F81866AD-I
	Watchdog Timer	256-level Watchdog Timer
<b>TPM</b>	Smart Fan	Yes
	Controller	Pin header
<b>I/O Interface</b>	USB	8 x USB 2.0 (4 x internal; 4 x rear)
	Serial	6 x COM (COM1: rear, COM2~COM6: internal) COM1: RS-232, 0V/5V/12V COM 2~6: RS-232, w/o power
	Parallel	1 (Pin header)
	PS/2	1 (Pin header)
	GPIO	8-bits (4 x GPI, 4 x GPO), 3.3V
	<b>Expansion Slot</b>	PCIe x1
<b>Storage</b>	Mini-PCIe	1 x Full-size (w/ mSATA)
	SATA	1 x SATA 2.0
<b>Power Supply</b>	mSATA	1
	DC	DC-in 12V
<b>Environment</b>	ATX	N/A
	Operating Temperature	0 ~ 60°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
<b>Form Factor</b>	Storage Humidity	10 ~ 90%, non-condensing
	Dimensions	170mm x 170mm (Mini-ITX)
<b>Certification</b>	Weight	0.37 Kg
	EMC	FCC, CE, C-Tick, VCCI, BSMI