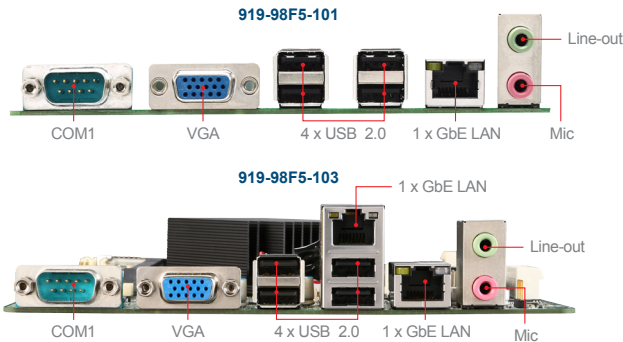
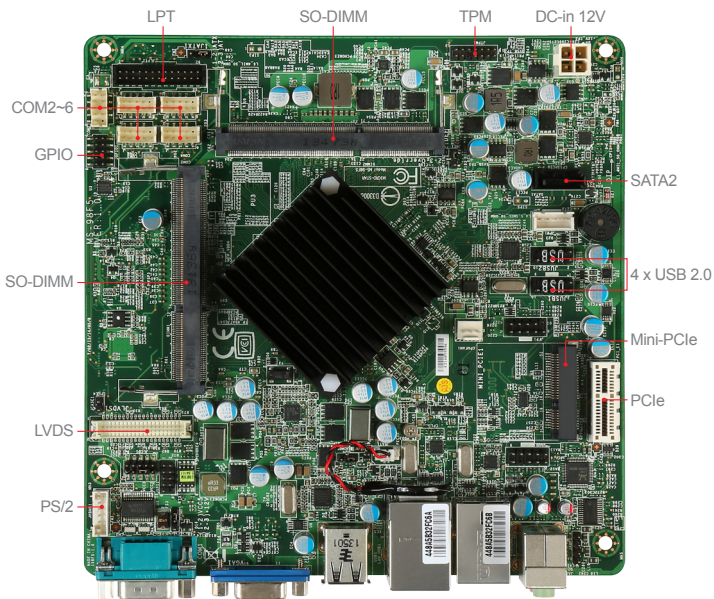


MS-98F5

Intel® BayTrail Solution with Low Power and Low Profile Design

NEW



Features

- Support Intel® BayTrail Quad Core 1.86/2GHz 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

Processor	CPU	Intel® Celeron® Processor J1900/N2920	
	Frequency	2 GHz (Quad Core, for J1900) 1.86 GHz (Quad Core, for N2920)	
	L2 Cache	2 MB	
	CPU Type	BGA	
	Chipset	Integrated	
Memory	BIOS	AMI	
	Technology	Dual-channel DDR3L 1333/1066 MHz	
	Max. Capacity	Up to 8GB	
Display	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	
Ethernet	Multiple Display	2 independent displays	
	Display Interface	VGA up to 1920 x 1200 LVDS up to 1920 x 1200	
	Controller	2 or 1 x Realtek® RTL8111G-CG GbE LAN (depends on SKU)	
Audio	Controller	Realtek® ALC887 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	
	USB	8 x USB 2.0 (4 x internal; 4 x rear)	
I/O Interface	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	
	Expansion Slot	PCIe x1	1
	Storage	Mini-PCIe	1 x Full-size, mSATA
Power Supply	SATA	1 x SATA 2.0	
	mSATA	1	
Environment	DC	DC-in 12V	
	ATX	N/A	
	Operating Temperature	0 ~ 60°C	
	Operating Humidity	10 ~ 90%, non-condensing	
Form Factor	Storage Temperature	-20 ~ 80°C	
	Storage Humidity	10 ~ 90%, non-condensing	
	Dimensions	170mm x 170mm (Mini-ITX)	
Certification	Weight	0.37 Kg	
	EMC	FCC, CE, C-Tick, VCCI, BSMI	