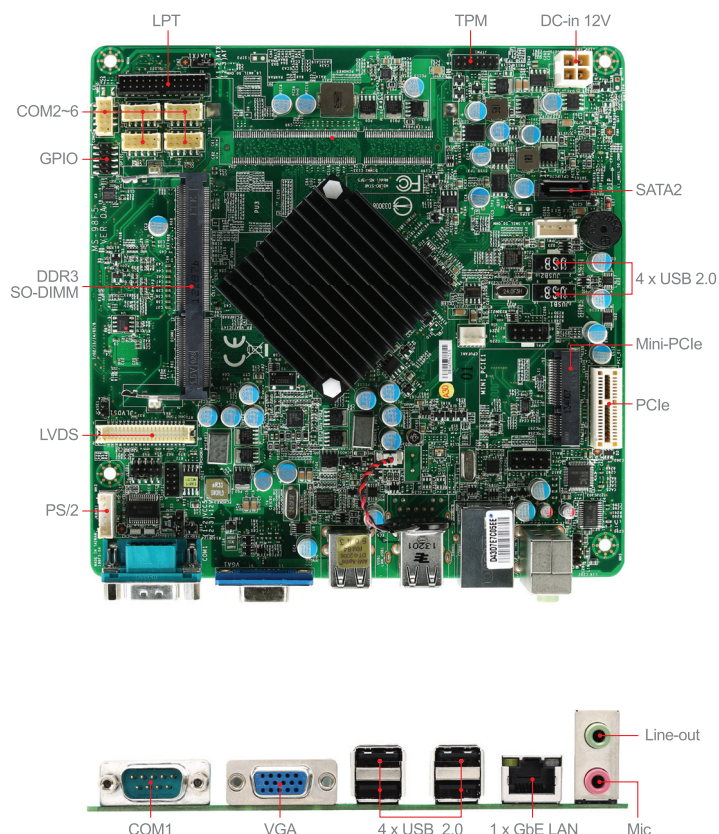


# MS-98F5

Intel® Bay Trail Solution with Low Power and Low Profile Design

Coming Soon



## Features

- Support Intel® Quad Core 1.86GHz processor
- Low power and fanless design
- Support 6 COMs and 8 USB 2.0
- Intel® Gen 7 graphics technology

## Ordering Information

Part Number	Description
<b>Art. No. 132374</b>	<b>MS-98F5-J1900</b> Mini-ITXe,Cel. J1900 2.0GHz,1LAN,PCIe x1
<b>Art. No. 132376</b>	<b>MS-98F5-N2930</b> Mini-ITXe,Cel. N290 1,83GHz,2LAN,PCIe x1

## Specifications

<b>Processor</b>	CPU	Intel® Atom™ Bay Trail J1900, Quad Core	Intel® Atom™ Bay Trail N2920, Quad Core
	Frequency	2.0 GHz	1.86 GHz
	L2 Cache	2 MB	2 MB
	CPU Type	BGA	
	Chipset	Integrated	
<b>Memory</b>	BIOS	AMI	
	Technology	Dual-channel DDR3L 1333 MHz	Dual-channel DDR3L 1066 MHz
	Max. Capacity	Up to 8GB	
	Socket	2 x 204-pin SO-DIMMs	
<b>Display</b>	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	
	Multiple Display	2 independent displays	
<b>Ethernet</b>	Display Mode	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)	
<b>Audio</b>	Controller	Realtek® ALC887 HD Audio Codec	
<b>Super I/O</b>	Controller	Fintek F81866	
<b>H/W Monitor</b>	Watchdog Timer	256-level Watchdog Timer	
	Smart Fan	Yes	
<b>TPM</b>	Controller	Pin header	
<b>I/O Interface</b>	USB	8 x USB 2.0 (4 x internal; 4 x rear)	
	Serial	6 x COM (5 x internal; 1 x rear) COM1: RS-232, 0V/5V/12V COM 2-6: RS232, w/o power	
	Parallel	1 (Pin header)	
	PS/2	1 (Pin header)	
	GPIO	8-bits (4 x GPI, 4 x GPO), 5V	
<b>Expansion Slot</b>	PCIe x1	1	
	Mini-PCle	1 x Full-size, mSATA	
<b>Storage</b>	SATA	1 x SATA 2.0	
	mSATA	1	
<b>Power Supply</b>	DC	DC-in 12V	
	ATX	N/A	
<b>Environment</b>	Operating Temperature	0 ~ 60°C	
	Operating Humidity	10 ~ 90%, non-condensing	
	Storage Temperature	-20 ~ 80°C	
	Storage Humidity	10 ~ 90%, non-condensing	
<b>Form Factor</b>	Dimensions	170mm x 170mm (Mini-ITX)	
	Weight	0.37 Kg	
<b>Certification</b>	EMC	FCC, CE, C-Tick, VCCI, BSMI	