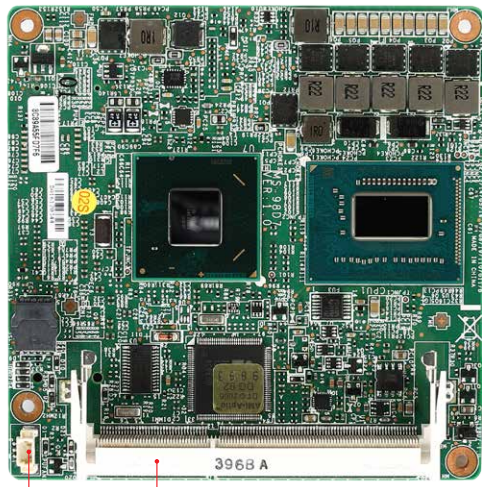


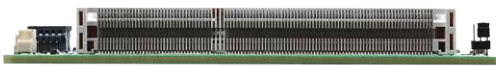
MS-98D7

Intel® i7/i3 Embedded Mobile Processor in COM Express Compact Solution

NEW



CPU Fan SO-DIMM



Specifications

Processor	CPU	3rd Gen Intel® Mobile Core™ i7-3517UE/i3-3217UE Processor
	Frequency	2.8GHz/1.6GHz
	L2 Cache	4MB/3MB
	CPU Type	BGA
	Chipset	Intel® QM77 Express
Memory	BIOS	AMI
	Technology	Single-channel DDR3/DDR3L 1600/1333MHz
	Max. Capacity	Up to 8GB
Display	Socket	1 x 204-pin SO-DIMM
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	LVDS	Dual channel 24-bit
	VGA	1
	DVI	3 DDI ports support DVI/HDMI/DP (DDI1 supports Video out also)
	HDMI	
	DisplayPort	
Ethernet	Multiple Display	2 independent displays 3 independent displays
	Display Mode	VGA up to 2048 x 1536 LVDS up to 1920 x 1200 @60 Hz 3 x DDI: HDMI/DVI up to 1920 x 1200 @60 Hz; DP up to 2560 x 1600 @60 Hz
Ethernet	Controller	1 x Intel® 82579LM GbE-PHY LAN (AMT 8.0 supported)
Audio	Controller	Support HD audio interface to carrier board
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
TPM	Controller	Pin header
I/O Interface	USB	8 x USB 2.0 (to carrier board) 4 x USB 3.0 (to carrier board)
	Serial	2 x COM (to carrier board)
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
Expansion Slot	PCIe x16	1
	PCIe x1	7
Storage	SATA	2 x SATA 3.0; 2 x SATA 2.0
	DC	N/A
Power Supply	ATX	ATX +12 V and +5 VSB (standby power) AT: +12 V
	Environment	Operating Temperature
Environment	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions	95mm x 95mm (COM Express compact module)
	Weight	95 g
Certification	EMC	FCC, CE, C-Tick, VCCI, BSMI

Features

- Intel® Embedded Mobile i7/i3 Processor
- Support DDR3 1600 SO-DIMM up to 8GB
- Support VGA, LVDS, and 3 DDI ports
- One Intel® GbE LAN w/ iAMT 8.0 supported
- Support 2 SATA 3.0, 2 SATA 2.0, 2 COM, 4 USB 3.0, and 8 USB 2.0 ports

Ordering Information

Part Number	Description
919-98D7-001	COM EXPRESS COMPACT M/B INTEL EMBEDDED MOBILE I7-3517UE + QM77, 1*DDR3 SO-DIMM, 2*COM EXPRESS TYPE 6 CONNECTOR
919-98D7-002	COM EXPRESS COMPACT M/B INTEL EMBEDDED MOBILE I3-3217UE + QM77, 1*DDR3 SO-DIMM, 2*COM EXPRESS TYPE 6 CONNECTOR

Packing List

Part Number	Description
E32-250010-K08	FANSINK