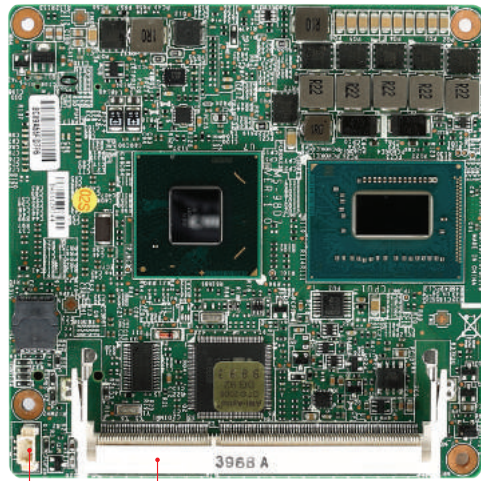


# MS-98D7

COM Express SBC with 3rd Gen Intel® Ivy Bridge Mobile Platform for Type 6 Compact Solution



CPU Fan SO-DIMM

## Features

- Intel® Embedded Mobile i7/i3 Processor
- Supports DDR3 1600 SO-DIMM up to 8GB
- Supports VGA, LVDS, and 3 DDI ports
- Supports Intel® GbE LAN w/ iAMT 8.0
- Supports 7 PCIe x1 Gen2 for multiple expansion
- Supports 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
E32-2500010-K08	FANSINK

## Specifications

Processor	CPU	3rd Gen Intel® Mobile Ivy Bridge ULT Core™ i7-3517UE/i3-3217UE Processor, DC, 17W
	Frequency	i7-3517UE, 2.8 GHz i3-3217UE, 1.6 GHz
	L2 Cache	3MB~4MB (Depends on CPU)
	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	
	HDMI	3 DDI ports support DVI/HDMI/DP
	DisplayPort	
	Multiple Display	3 independent displays
	Display Interface	VGA up to 2048 x 1536 @60Hz LVDS up to 1920 x 1200 @60Hz 3 x DDI: HDMI/DVI up to 1920 x 1200 @60Hz DP up to 2560 x 1600 @60Hz
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	N/A
I/O Interface	USB	8 x USB 2.0 (to carrier board) 4 x USB 3.0 (to carrier board)
	Serial	2 x COM ports (to carrier board)
	GPIO	8-bits (4 x GPI; 4 x GPO), 5V
Expansion Slot	PCIe x16	1
	PCIe x1	7 x PCI Express GEN. 2.0 lanes
	M.2	N/A
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
	Operating Temperature	0 ~ 60°C
Environment	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Form Factor	Dimensions (W x D x H) (COM Express Type 6 compact module))	95 x 95mm
	Weight	0.095 kg
Certification	EMC	FCC, CE, RCM, VCCI, BSMI
Software Platform	OS Support	Windows 7 (32/64-bit) Windows 8 (32/64-bit)

Semi-rugged Terminal  
POS System  
HMI Panel PC  
Embedded System  
Embedded Board  
COM Express Board  
Qseven Board  
Pico-ITX Board  
3.5" Board  
EPIC Board  
PICMG 1.0 Board  
Mini-ITX Board  
Micro-ATX Board  
ATX Board  
Mini-PCle Module