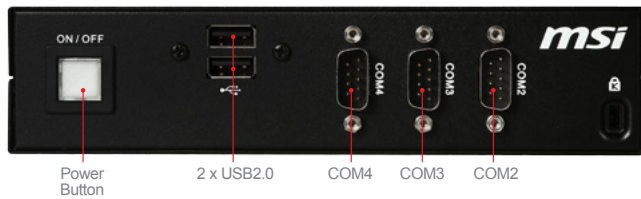
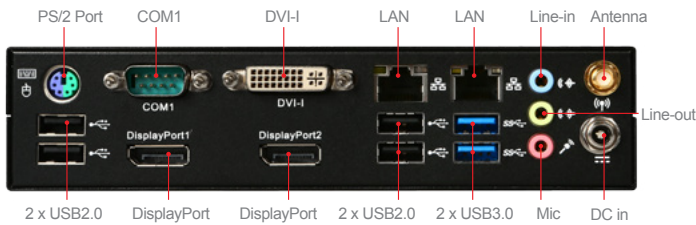


MS-9A68

Industrial Box PC with Intel® Ivy Bridge Platform for Rich I/O Ports & Fanless Solution



Features

- Support Intel® Ivy Bridge mobile series CPU
- Great 3D graphic performance with high definition up to 1080P
- Support standard and low-voltage DDR3 SO-DIMM up to 16GB
- 3 independent displays: DP, DP and DVI-I
- Support DirectX11 Shader Model 4.0
- Support 2 Intel® GbE LAN (one with iAMT 8.0) and 2 USB 3.0 ports
- Support SATA 3.0 and mSATA storage (optional)
- 4 powered COM ports

Ordering Information

Part Number	Description
939-9A68-003	QM77, 19V 90W ADAPTER, USA POWER CORD
939-9A68-004	HM76, 19V 90W ADAPTER, EU POWER CORD
939-9A68-005	HM76, 19V 90W ADAPTER, USA POWER CORD
939-9A68-006	QM77, 19V 90W ADAPTER, EU POWER CORD

Packing List

Part Number	Description
S93-0406480-S14	ADAPTOR
E43-1064014-P65	HDD Screw
E31-0804100-AM1	HEATSINK
K33-3001020-I45/ K33-3001021-I45	Power Cord, USA, 1800mm/ Power Cord, EU, 1800mm
S79-0000360-V03	ANTENNA
E25-9A58020-K23	HDD RUBBER
E22-9A68050-LA2	Wall mounting bracket
G71-SEDC093-J24	Driver CD

Specifications

System Processor	CPU	3rd Gen Intel® Mobile Ivy bridge/ Sandy bridge Core™ i7/i5/i3/Celeron®/ Pentium® Processors, Max. 45W
	Frequency	1.0 GHz~3.8GHz (Depends on CPU)
	L2 Cache	2M~8M (Depends on CPU)
	CPU Type	Socket G2 (rPGA 989)
	Chipset	Intel® QM77/HM76 Express
Memory	BIOS	AMI
	Technology	Dual-channel DDR3 1066/1333/1600 MHz
	Max. Capacity	Up to 16GB
Graphic	Socket	2 x 204-pin SO-DIMMs
	Controller	Intel® HD Graphics
	Graphic Memory	Shared system memory up to 1.7 GB SDRAM
	Multiple Display	2 independent displays (SNB CPU only) 3 independent displays (IVB CPU only)
Ethernet	Display Interface	DP up to 2560 x 1600 @60Hz DVI-I up to 1920 x 1200 @60Hz
	Controller	2 x Intel® I210-AT GbE LAN
Audio	Controller	Realtek® ALC887 HD Audio Codec
H/W Monitor	Watchdog Timer	256-level Watchdog Timer
	Smart Fan	Yes
Expansion Slot	M.2	N/A
Storage	Mini-PCIe	2 x Full-size (1 w/ SIM Holder)
	SATA	1 x 2.5" HDD/SSD
	mSATA	2 (shared with Mini-PCIe slots)
I/O Interface	RJ-45	2
	PoE	N/A
	Audio	1 x Mic-in 1 x Line-out 1 x Line-in
	USB	2 x USB 3.0 6 x USB 2.0
	Serial	4 x COM ports COM 1: RS-232/422/485, 0V/5V/12V COM 2-4: RS-232, 0V/5V/12V
	PS/2	1
	GPIO	N/A
	CANbus	N/A
	DVI	1 (DVI-I)
	DisplayPort	2
	Antenna	1
	Power Supply	DC Input
AC Input		N/A
Environment	IP Rating	Full IP30
	Operating Temperature	0 ~ 50°C
	Operating Humidity	10 ~ 90%, non-condensing
	Storage Temperature	-20 ~ 80°C
	Storage Humidity	10 ~ 90%, non-condensing
Physical characteristics	Vibration	Operating: 0.25 Grms, 5-300Hz, 3axes (w/ HDD)
	Shock	Operating: 3 G, half sine 11 ms duration (w/ HDD)
	Dimensions (W x D x H)	180 x 180 x 44mm
Certification	Weight	1.80 kg
	Mounting	Wall mount
Software Platform	EMC	FCC, CE, RCM, VCCI, BSMI
	Safety	CB, UL
OS Support	OS Support	Windows 8 (32-bit) Windows 7 (32/64-bit) Windows XP (32/64-bit)

HMI Panel PC
Embedded System
Embedded Board
Semi-rugged Terminal
POS System
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