

IPC-100-60SE

1U Compact Fanless System with Intel® Atom™ N450 on Board



Features

- Elegant, ultra-compact fanless system
- Built-in Intel® Atom™ processor N450 1.66 GHz
- Comprehensive I/O: dual gigabit Ethernet, 8 USB, 3 COM, 1 VGA
- 1 PCI and 1 mini-PCIe expansion slots
- Open frame AC to +12 V_{DC} 60 W power supply
- Anti-vibration design for 2.5" HDD-bay to ensure maximum reliability



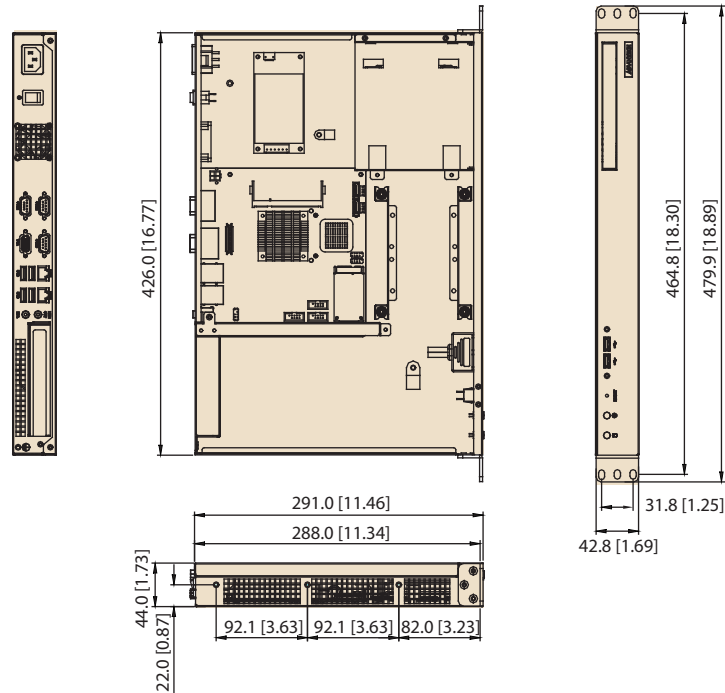
Specifications

Processor System	CPU	Intel Atom Processor N450 1.66 GHz
	L2 Cache	512 KB
	Chipset	ICH8M
	BIOS	AMI 16 MB SPI
Memory	Technology	Single Channel DDR2 667MHz
	Max. Capacity	200-pin SODIMM x1 up to 2 GB
Expansion Slot	PCI	1 (32-bit/33 MHz) via PCI riser card (P/N: 989KC1000E)
	Mini-PCIe	1
Graphics	Chipset	Embedded Gen3.5+ GFX Core
	Display Memory	Shared system memory up to 224 MB SDRAM
	VGA	Supports up to SXGA 1400 x 1050 @ 60 Hz
Ethernet	Interface	10/100/1000 Mbps
	Controller	GbE LAN1: Intel 82567V; GbE LAN2: Intel 82583V
	Connector	2 x RJ-45 connectors
Watchdog Timer	Output	System reset
	Interval	Programmable, 1~255 sec/min
Storage Interface	2.5" HDD Bay	1 (SATA)
	slim ODD	1 (SATA)
I/O Interface	USB	8 (4 on rear, 2 on front, 2 internal)
	Serial	3 (1 of RS-232/422/485, 2 of RS-232)
	Ethernet	2
	Audio	2 (Mic-in, Line-out)
	VGA	1
Miscellaneous	LED Indicators	Power, HDD
	Control	AT power switch (on rear), system reset button (on front)
Environment	Operating Temp.	Operating: 0 ~ 40° C (32 ~ 104° F) Non-operating: -20 ~ 60° C (-4 ~ 140° F)
	Operating Humidity	10 ~ 85% @ 40° C, non-condensing 10 ~ 95% @ 40° C, non-condensing
	Vibration (5~500 Hz)	1 Grms 2 G
	Shock	10 G (with 11 ms duration, half sine wave) 30 G
	Physical Characteristics	Dimensions (W x H x D) Net Weight

* The motherboard only supports 2 SATA connectors.

* If IPC-100 is operated in an environment without any air flow, the environmental temperature should be no higher than 25° C.

Dimensions



System Ordering Information

Part Number	CPU	Power supply	Expansion	Display	SATA	USB	COM	Audio
IPC-100-60SE	Intel Atom N450 1.66 GHz	AC to DC +12 V 60 W	1 x PCI (optional) 1 x Mini PCIe	VGA	2	8	3	2

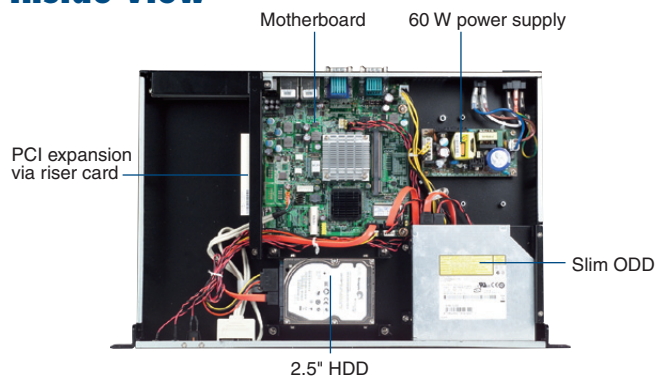
Front View



Packing List

Description	Quantity
IPC-100 system	x 1
SATA power cable for HDD	x 1
SATA signal cable for HDD & slim ODD	x 2
SATA power cable for slim ODD	x 1
Mounting bracket	x 2
User manual	x 1
Driver CD	x 1

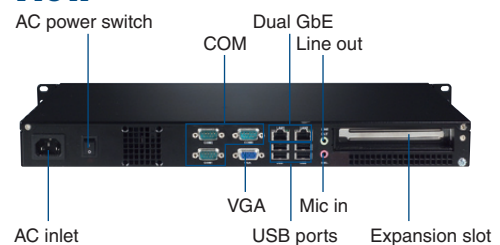
Inside View



Optional Accessories

Part Number	Description
989KC10000E	1U riser card for 1 PCI expansion

Rear View





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