

# 1U-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<sub>DC</sub> 60 W power supply
- Anti-vibration design for 2.5" HDD-bay to ensure maximum reliability



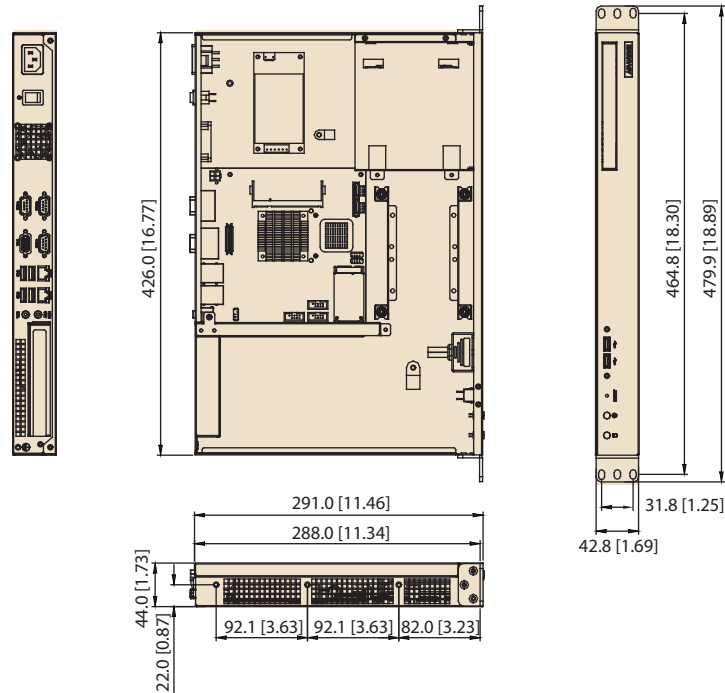
### Specifications

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		3.6 kg / 7.92 lb

\* 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



Unit: mm [inch]

## System Ordering Information

Part Number	CPU	Power supply	Expansion	Display	SATA	USB	COM	Audio
1U-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

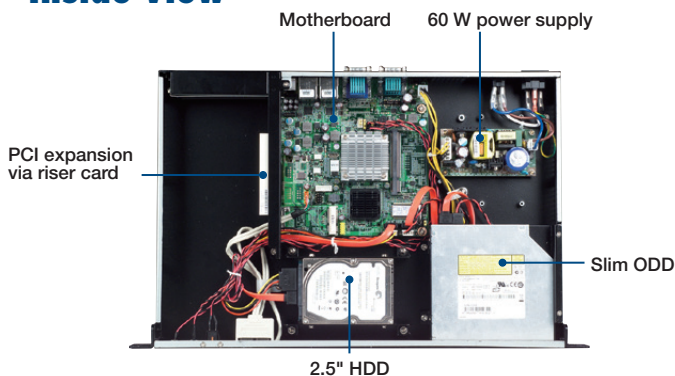
## Front View



## 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

