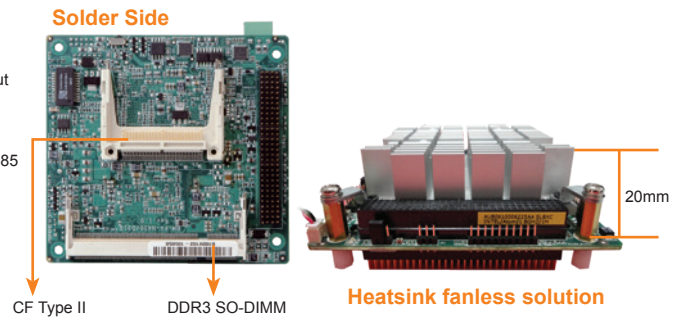
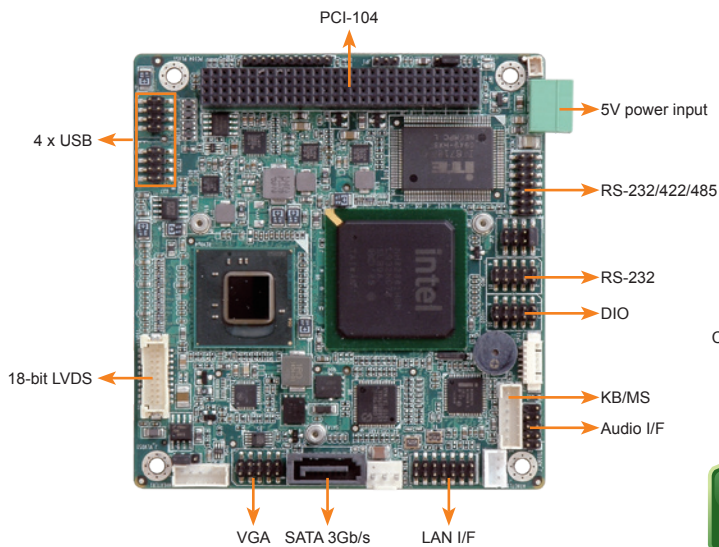


PM-PV-N4551-D5251

PCI-104 SBC with Intel® Atom™ N455/D525, DDR3, VGA/LVDS, GbE, USB 2.0, SATA 3Gb/s and CF Type II, RoHS



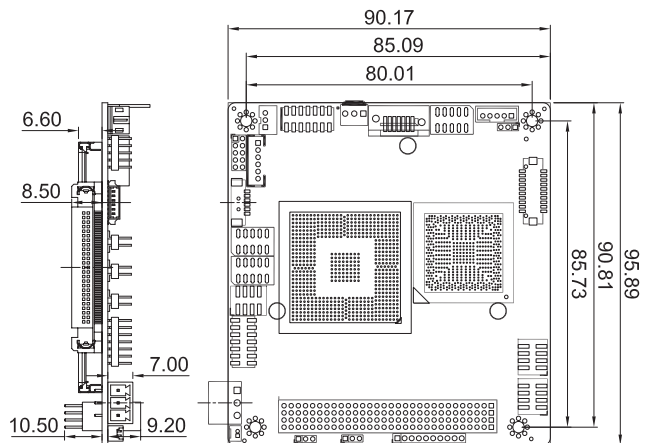
Specifications

- ◆ CPU
 - Intel® Atom™ D525 (1.8GHz, dual-core, 1MB cache)
 - Intel® Atom™ N455 (1.66GHz, single-core, 512KB cache)
- ◆ Chipset
 - Intel® ICH8M
- ◆ BIOS
 - UEFI BIOS
- ◆ Memory
 - One 204-pin 800 MHz DDR3 SDRAM SO-DIMM supports up to 4 GB (D525) or 2 GB (N455)
- ◆ Graphics
 - GMA 3150
 - Graphics core speed 400 MHz for D525
 - Graphics core speed 200 MHz for N455
- ◆ Display Output
 - VGA (up to QXGA 2048x1536 (D525) or SXGA+ 1400x1050 (N455) @60Hz)
 - 18-bit single-channel LVDS (up to WXGA 1366x768 (D525) or XGA 1024x768 (N455) @60Hz)
- ◆ Ethernet
 - Intel® 82567V GbE Ethernet PHY
- ◆ Expansion
 - 1 x PCI-104
- ◆ Digital I/O
 - 8-bit digital I/O (2x5 pin)
- ◆ Audio
 - 1 x Audio I/F (2x5 pin, P=2.0)
- ◆ Internal I/O Interface
 - 1 x CF Type II
 - 1 x KB/MS (1x6 pin)
 - 1 x RS-232 (2x5 pin, P=2.0)
 - 1 x RS-232/422/485 (2x5 pin, P=2.0)
 - 1 x SATA 3Gb/s
 - 4 x USB 2.0 (2x4 pin, P=2.0)
- ◆ Watchdog Timer
 - Software programmable supports 1~255 sec. system reset
- ◆ Power Supply
 - 5V only DC input
 - 1 x Internal power connector (1x2 pin)
 - support AT/ATX mode
- ◆ Power Consumption
 - 5V@3.31A (Intel® Atom™ D525 with 1 GB DDR3)
 - 5V@2.39A (Intel® Atom™ N455 with 1 GB DDR3)
- ◆ Operating Temperature
 - 10°C ~ 60°C
- ◆ Storage Temperature
 - 10°C ~ 70°C
- ◆ Operating Humidity
 - 5% ~ 95%, non-condensing
- ◆ Dimensions
 - 96mm x 90mm
- ◆ CE/FCC compliant

Features

- Intel® Atom™ N455/D525 processor with DDR3 memory
- Single 5V power input design, 12V for LCD/fan
- Single-channel 18-bit LVDS/VGA output for display
- Support two COM, four USB, SATA 3Gb/s and CF Type II socket
- IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (mm)



Packing List

1 x PM-PV-N4551/D5251 single board computer	1 x SATA cable
1 x Dual-port USB cable	1 x VGA cable
1 x LAN cable	1 x Mini jumper pack
1 x Power cable	1 x One Key Recovery CD
1 x PS/2 KB/MS cable	1 x QIG
1 x RS-232 cable	1 x Utility CD

Ordering Information

Part No.	Description
PM-PV-D5251-R11	PCI-104 SBC with Intel® Atom™ D525 1.8GHz, DDR3, VGA/LVDS, GbE, USB 2.0, SATA 3Gb/s and CF Type II, RoHS
PM-PV-N4551-R11	PCI-104 SBC with Intel® Atom™ N455 1.66GHz, DDR3, VGA/LVDS, GbE, USB 2.0, SATA 3Gb/s and CF Type II, RoHS
19800-004300-100-RS	RS-232 & RS-422/485 cable with bracket, 14-pin to two DB-9, 250mm, P=2.0
32102-000100-200-RS	SATA power cable, MOLEX 5264-4P to SATA15P
AC-KIT-892HD-R10	7.1-channel HD Audio kit with Realtek ALC888 supports dual audio streams
CF-PV4010-R10	CPU fan (40mm x 40mm x 10mm)