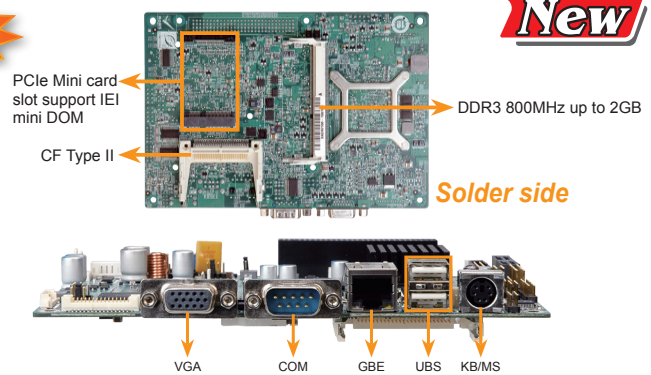
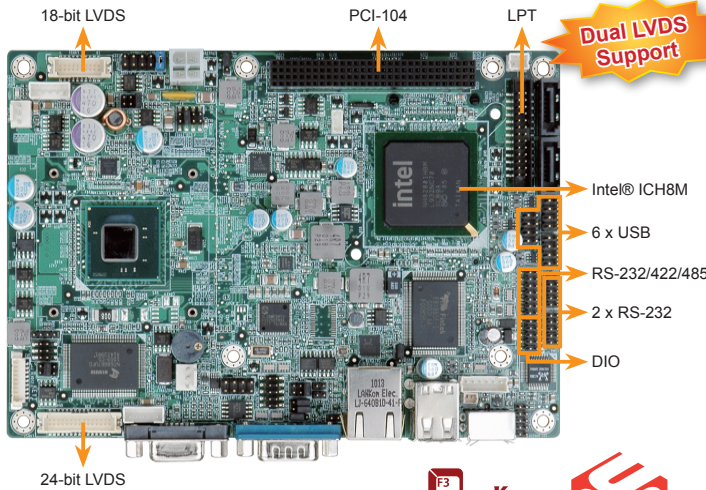


epic NANO-PV-D4252 N4552 D5252

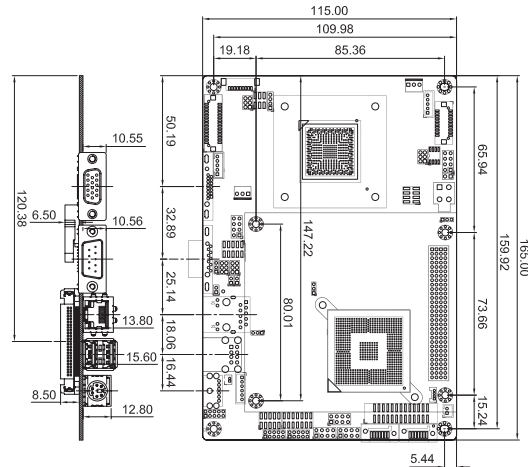
EPIC SBC with Intel® Atom™ D425/N455/D525, DDR3, VGA/ Dual LVDS, PCIe GbE, CF Type II, SATA 3Gb/s



Features

1. EPIC SBC with Intel® Atom™ D525 / D425 / N455 processor and DDR3 solution
2. 12V only Single Voltage design for AT/ATX mode
3. Support dual LVDS
4. Support PCI-104, PCIe Mini card slot
5. Support five COM, eight USB, two SATA 3Gb/s and one CF Type II socket
6. IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Dimensions (Unit: mm)



Packing List

1 x NANO-PV-D4252/N4552/D5252 single board computer	
2 x RS-232 cable (P/N: 32200-000049-RS)	
1 x SATA with 5V output cable (P/N: 32801000201-100-RS)	
1 x KB/MS Y cable (P/N: 32006-000300-100-RS)	
1 x Power cable (P/N: 32100-087100-RS)	1 x USB cable (P/N: 32000-044300-RS)
1 x Audio cable (P/N: 32000-072100-RS)	1 x Mini jumper pack
1 x QIG	1 x Utility CD

Ordering Information

Part No.	Description
NANO-PV-D5252-R10	EPIC SBC with Intel® Atom™ D525 1.8GHz/1MB L2, VGA/Dual LVDS, PCIe GbE, CF type II, SATA 3Gb/s
NANO-PV-D5252T-R10	EPIC SBC with Intel® Atom™ D525 1.8GHz/1MB L2, VGA/Dual LVDS, PCIe GbE, CF type II, SATA 3Gb/s, TPM
NANO-PV-D4252-R10	EPIC SBC with Intel® Atom™ D425 1.8GHz/512KB L2, VGA/Dual LVDS, PCIe GbE, CF type II, SATA 3Gb/s
NANO-PV-D4252T-R10	EPIC SBC with Intel® Atom™ D425 1.8GHz/512KB L2, VGA/Dual LVDS, PCIe GbE, CF type II, SATA 3Gb/s, TPM
NANO-PV-N4552-R10	EPIC SBC with Intel® Atom™ N455 1.66GHz/512KB L2, VGA/Dual LVDS, PCIe GbE, CF type II, SATA 3Gb/s
NANO-PV-N4552T-R10	EPIC SBC with Intel® Atom™ N455 1.66GHz/512KB L2, VGA/Dual LVDS, PCIe GbE, CF type II, SATA 3Gb/s, TPM
32200-015100-RS	LPT cable
32000-062800-RS	SATA cable
32205-000300-100-RS	RS-232/422/485 cable
19FTS00032100-000001-RS	CPU fan



Specifications

- ◆ CPU
Intel® Atom™ D525 dual-core processor 1.8GHz/1MB L2 cache
Intel® Atom™ D425 single-core processor 1.8GHz/512KB L2 cache
Intel® Atom™ N455 single-core processor 1.66GHz/512KB L2 cache
- ◆ Chipset
Intel® ICH8M
- ◆ BIOS
UEFI BIOS
- ◆ Memory
One 204-pin 800MHz DDR3 SDRAM SO-DIMM supported (system max. 2GB)
- ◆ Graphic
GMA 3150
Graphic core speed 400MHz for D525/ D425
Graphic core speed 200MHz for N455
- ◆ Display Out
Analog CRT up to 2048x1536, support for CRT hotplug
18-bit single-channel LVDS, resolution support up to 1366x768
18/24-bit single/dual-channel LVDS by Novatek NT68667UFG resolution support up to 800x600, 1024x768, 1280x1024, 1366 x768, 1920x1080
- ◆ LAN
Realtek RTL8111E PCIe GbE controller with ASF2.0 support
- ◆ Super IO
Fintek F81865
- ◆ I/O Interface
4 x RS-232
1 x LPT
1 x CF Type II
8 x USB 2.0
1 x RS-232/422/485 (COM3) with Auto Flow control
2 x KB/MS
2 x SATA 3Gb/s
- ◆ Audio
Realtek ALC888 HD codec
- ◆ Expansion
1 x PCI-104 slot
1 x PCIe Mini card slot (PCIe + USB + SATA signal) support IEI mini DOM
- ◆ TPM (Optional)
On board INFINEON SLB9635TT1.2
- ◆ Watchdog Timer
Software programmable supports 1~255 sec. system reset by Super I/O
- ◆ Digital I/O
8-bit digital I/O, 4-bit input / 4-bit output
- ◆ FAN Connector
1 x 3-pin CPU fan
1 x 3-pin system fan
- ◆ Power supply
12V only, AT/ATX support
- ◆ Power Consumption
2.16A@12V (Intel® Atom™ D525 with 2 GB 1066 MHz DDR3)
2.08A@12V (Intel® Atom™ D425 with 2 GB 1066 MHz DDR3)
1.99A@12V (Intel® Atom™ N455 with 2 GB 1066 MHz DDR3)
- ◆ Temperature
-20°C ~ 60°C with free air, -20°C ~ 70°C with force air for D525 processor
-20°C ~ 65°C with free air, -20°C ~ 70°C with force air for D425 processor
-20°C ~ 70°C with free air, -20°C ~ 75°C with force air for N455 processor
- ◆ Humidity
Operation: 5% ~ 95% non-condensing
- ◆ Weight
GW: 650g / NW: 340g

1 Industrial Computing Solutions

2 Video Capture Solutions

3 Embedded Computing Solutions

4 Industrial Data Collector and Controller

5 Panel Solutions Introduction

6 ORing Network Communication

7 Power Supply/ Peripherals