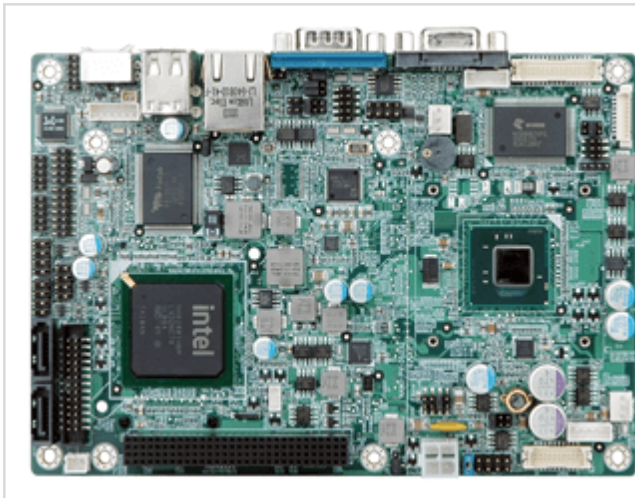


# NANO-PV- D4251/N4551/D5251

EPIC SBC with Intel® Atom™ D425/N455/D525



## Features

- » EPIC SBC with Intel® Atom™ D525/D425/N455 processor
- » 800 MHz DDR3 SDRAM supported (system max. 2 GB)
- » Support VGA and 18-bit single-channel LVDS with dual display
- » Support PCI-104 and PCIe Mini card slot
- » Support five COM, eight USB, two SATA 3Gb/s and one CF Type II socket
- » TPM V1.2 hardware security function support by TPM module
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

## Specifications

CPU Cooler	
CPU Cooler	Heatsink
Display	
Display	Dual display supported
	1 x VGA
	1 x 18-bit single-channel LVDS
Environment	
Humidity	5% ~ 95% non-condensing
Operating Temperature	-10°C ~ 60°C
Expansion Slots	
Expansion Slots	1 x PCI-104 slot
	1 x PCIe Mini card Slot
I/O Interface	
Audio	Realtek ALC888 HD Audio codec
Digital I/O	8-bit digital I/O (4-bit input/4-bit output)
Ethernet	Dual PCIe GbE by Realtek RT8111E support ASF 2.0
I/O Interface	4 x RS-232
	1 x RS-232/422/485
	8 x USB 2.0
	1 x TPM connector (2x10 pin)
	1 x LPT
	1 x KB/MS
I/O Interface	
I/O Interface	8 x USB 2.0
	4 x RS-232
	1 x LPT
	1 x RS-232/422/485
	1 x RS-422/485
Power	

Power consumption	2.21A @ 12V (Intel® Atom™ D525 with 2GB 1066MHz DDR3)
	2.11A @ 12V (Intel® Atom™ D425 with 2GB 1066MHz DDR3)
	2.00A @ 12V (Intel® Atom™ N455 with 2GB 1066MHz DDR3)
<b>Storage</b>	
Storage	2 x SATA 3Gb/s
	1 x CF Type II
<b>System</b>	
Chipset	Intel® ICH8M
CPU	Intel® Atom™ D525 1.8GHz
	Intel® Atom™ D425 1.8GHz
	Intel® Atom™ N455 1.66GHz
CPU Socket	On board
Memory Max.	1 x 204-pin 800 MHz 4 GB
	DDR3 SO-DIMM (system max. 4GB) for D525/D425
	1 x 204-pin 800 MHz 2 GB
	DDR3 SO-DIMM (system max. 2GB) for N455
<b>Watchdog Timer</b>	
Watchdog Timer	Software programmable and supports 1~255 sec. system reset

## Ordering Information

NANO-PV-D5251-R10	EPIC SBC with Intel Atom D525 1.8GHz,DDR3,VGA/LVDS,Dual GbE,USB 2.0,CF II,Audio and SATA II,Audio,RoHS
NANO-PV-D4251-R10	EPIC SBC with Intel Atom D425 1.8GHz,DDR3,VGA/LVDS,Dual GbE,USB 2.0,CF II,Audio and SATA II,Audio,RoHS
NANO-PV-N4551-R10	EPIC SBC with Intel Atom N455 1.66GHz,DDR3,VGA/LVDS,Dual GbE,USB 2.0,CF II,Audio and SATA II,Audio,RoHS

## Packing List

1 x NANO-PV-D4251/N4551/D5251 single board computer	1 x Audio cable
2 x RS-232 cable	1 x Dual port USB cable
1 x Mini jumper pack	1 x KB/MS Y cable
1 x One Key Recovery CD	1 x Power cable
1 x QIG	1 x SATA with 5V output cable
1 x Utility CD	