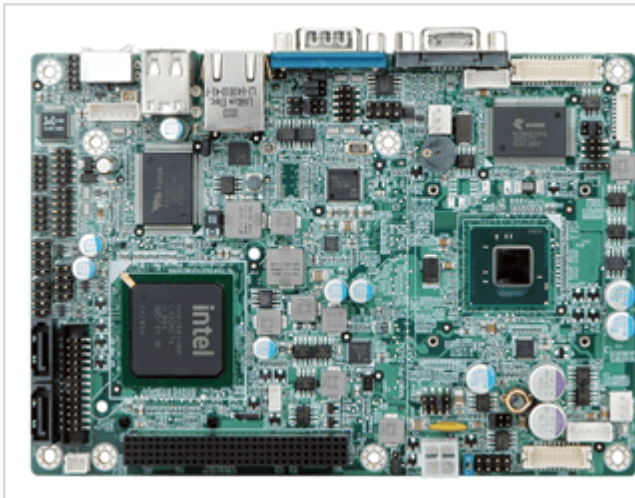


NANO-PV- D4251/N4551/D5251

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) |
| Storage | |
| Storage | 2 x SATA 3Gb/s |
| | 1 x CF Type II |
| System | |
| 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 |
| Watchdog Timer | |
| 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 | |