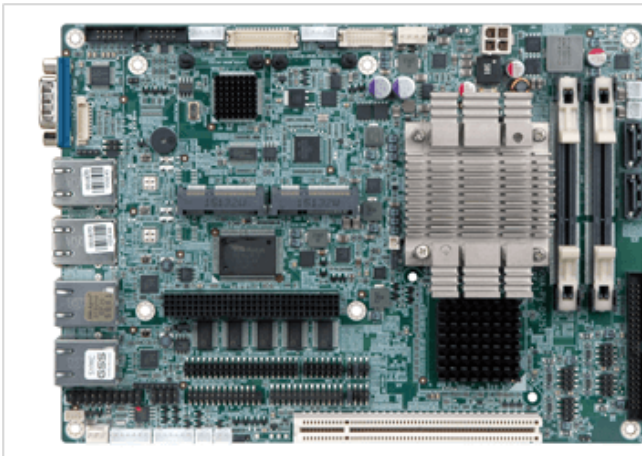


NOVA-PV-D5251

5.25" SBC, Intel® Atom™ D425/D525



Features

- » 5.25" SBC supports Intel® Atom™ D525/D425 processor
- » 800/1066 MHz DDR3 supports up to 4 GB
- » VGA/18-bit single-channel/24-bit dual-channel LVDS for dual independent display support
- » Quad PCIe Ethernet, two SATA 3Gb/s, and six RS-232 serial port connectors
- » TPM V1.2 hardware security function supported by TPM module
- » IEI One Key Recovery solution allows you to create rapid OS backup and recovery

Specifications

| | |
|------------------------|---|
| CPU Cooler | |
| CPU Cooler | N/A |
| Display | |
| Display | Dual display supported |
| | VGA (up to 2048x1536@60Hz) |
| | 18-bit single-channel LVDS (up to 1366x768@60Hz) |
| Environment | |
| Humidity | 5% ~ 95%, non-condensing |
| Operating Temperature | -10°C ~ 60°C |
| Expansion Slots | |
| Expansion Slots | 1 x PCI-104 |
| | 2 x Full-size PCIe Mini card slot |
| | 1 x PCI |
| I/O Interface | |
| Audio | Realtek ALC662 HD Audio codec |
| Digital I/O | 1 x 24-bit digital I/O (2x15 pin) |
| Ethernet | LAN1: Realtek RTL8111E PCIe GbE controller with ASF 2.0 support |
| I/O Interface | |
| I/O Interface | 1 x RS-232 |
| | 7 x Internal RS-232 |
| | 8 x Internal USB 2.0 |
| | 1 x LPT |
| Power | |
| Power consumption | 12V@1.46A (Intel® Atom™ D525 1.8GHz with two 800 MHz 1 GB DDR3 SO-DIMM) |
| Storage | |
| Storage | 1 x CF Type II |
| | 1 x IDE |
| | 2 x SATA 3Gb/s with 5V SATA power connector (no RAID) |
| System | |
| Chipset | Intel® ICH8M |
| CPU | 1.8GHz Intel® Atom™ D525 dual-core processor with 1MB L2 cache |

| | |
|----------------|---|
| Memory Max. | Two 204-pin 800 MHz DDR3 SDRAM SODIMM |
| | supports up to 4 GB |
| Watchdog Timer | |
| Watchdog Timer | Software programmable supports 1~255 sec. |

Ordering Information

| | |
|------------------------|--|
| NOVA-PV-D5251-G2L2-R12 | 5.25" SBC, Intel Dual Core Atom D525 1.8GHz, DDR3, 18+48 bits LVDS/VGA, Dual PCIe Mini, Dual PCIe GbE, USB2.0, SATAII, Audio, RoHS |
| NOVA-PV-D5251-G4-R12 | 5.25" SBC, Intel Dual Core Atom D525 1.8GHz, DDR3, 18 bits LVDS/VGA, Dual PCIe Mini, Quad PCIe GbE, USB2.0, SATAII, Audio, RoHS |

Packing List

| | |
|---|--|
| 1 x NOVA-PV-D5251 single board computer | 1 x Audio cable |
| 1 x VGA cable | 1 x KB/MS Y cable 1 x Mini jumper pack |
| 1 x Quad port RS-232 cable | 1 x One Key Recovery CD |
| 1 x SATA with power cable kit | |