



Features

- Onboard Intel® Atom™ D525 Dual-Core 1.8GHz CPU
- Intel® ICH8-M Chipset
- One 204-pin SODIMM Socket Supports Up to 2GB DDR3 800 SDRAM
- Dual View, Single-channel LVDS, VGA
- 5.1-CH HD Audio
- 2 Intel® 82574L Gigabit Ethernet
- 1 CF, 1 Mini PCIe Card
- 2 SATA, 2 COM, 6 USB, 16-bit GPIO
- Optional AUX-035 for Dual-channel LVDS

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|-------|---------------|--------------|-------|-----------|
| Atom™ | Intel® ICH8-M | 5.1-CH Audio | 2 GbE | Mini PCIe |
| CF | 2 SATA | 2 COM | 6 USB | 16 GPIO |

Specifications

System

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|-------------------|--|
| • CPU | Intel® Atom™ D525 Dual-Core 1.8GHz CPU |
| • FSB | 667/ 800MHz |
| • BIOS | AMI 8Mbit Flash BIOS |
| • System Chipset | Intel® ICH8-M |
| • I/O Chip | Nuvoton W83627DUG-P |
| • System Memory | One 204-pin SODIMM Supports Up to 2GB DDR3 800 SDRAM |
| • SSD | One CompactFlash Type I/II Socket |
| • Watch Dog Timer | Reset: 1 ~ 255min. and 1sec. or 1min./step |
| • Expansion | 1 x Mini PCIe Card |

I/O

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|-------|---|
| • MIO | 2 x SATA, 1 x RS-232, 1 x RS-232/ 422/ 485, 1 x KB & Mouse (Optional) |
| • USB | 6 x USB 2.0 |
| • DIO | 16-bit General Purpose I/O for DI and DO |

Display

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|--------------------|--|
| • Chipset | Intel® Pineview Integrated, GMA3150 @ 400MHz |
| • Resolution | VGA Mode : Up to 2048 x 1536 @ 60Hz |
| • Multiple Display | CRT + LVDS |
| • LCD Interface | Single-channel 18-bit LVDS Dual-channel 18/24-bit LVDS (Optional via AUX-035) |

Audio

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|-------------------|---|
| • Chipset | Intel® ICH8-M |
| • HD Codec | Realtek ALC888 Supports 5.1-CH HD Audio |
| • Audio Interface | Mic-in, Line-in, Line-out |

Ethernet

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|----------------------|--|
| • LAN | Dual Intel® 82574L Gigabit Ethernet |
| • Ethernet Interface | 1000 Base-Tx Gigabit Ethernet Compatible |

Mechanical & Environmental

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|-------------------------|--|
| • Power Requirement | +12V ~ +28V |
| • Power Type | Single Power AT/ ATX |
| • Operating Temperature | 0 ~ 60°C (32 ~ 140°F) |
| • Storage Temperature | -40 ~ 75°C (-40 ~ 167°F) |
| • Operating Humidity | 0% ~ 90% Relative Humidity, Non-condensing |
| • Size (L x W) | 5.7" x 4" (146mm x 101mm) |
| • Weight | 0.44lbs (0.2kg) |

Ordering Information

- **ECM-PNV-525**
Intel® Atom™ D525 Dual-Core 3.5" Micro Module with Intel® ICH8-M Chipset
- **AUX-035**
Dual-Channel 18/ 24-bit LVDS Adaptor for PNV Series
- **ACC-CF-xx**
CompactFlash Card Series (xx = Capacity, Capacity Option: 128, 256, 512MB, 1, 2, 4, 8GB)
- **ACC-MEM-xx**
Memory Series (xx = Capacity, Capacity Option: 256, 512MB, 1, 2GB)