



Features

- Onboard Intel® Pineview-D D525 CPU
- Intel® ICH9-R Chipset
- One 204-pin SODIMM Socket Supports Up to 4GB Dual-channel DDR3 800MHz SDRAM
- Integrated Intel® Gen3.5 + GFX Render Core 400MHz (Pineview-D)
- VGA, Single-channel 18-bit LVDS (Optional)
- Dual Intel® 82583V Gigabit Ethernet
- 1 Mini PCIe, 1 PCIe1
- 5 SATA/ SATA II, 1 eSATA, 2 COM, 8 USB 2.0, 16-bit GPIO
- RAID 0, 1, 5, 10

Specifications

System

• CPU	Onboard Intel® Pineview-D D525
• BIOS	AMI EFI 8Mbit SPI BIOS
• System Chipset	Intel® ICH9-R
• I/O Chip	Winbond 83627DHG
• System Memory	One 204-pin SODIMM Socket Supports Up to 4GB Dual-channel DDR3 800MHz SDRAM
• Watchdog Timer	Reset: 1sec. ~ 255sec/min. and 1sec. or 1min./step
• H/W Status Monitor	Monitoring CPU Temperature, Voltage and Cooling Fan Status with Auto Throttling Control
• Expansion	1 Mini PCIe, 1 PCIe1
• S3/ S4	Yes (S1/ S3/ S4/ S5)
• Smart Fan Control	Yes

Display

• Chipset	Integrated Intel® Gen3.5 + GFX Render Core 400MHz (Pineview-D)
• Display Memory	Intel® DVM T 3.0 Supports Up to 224MB Frame Buffer Using System Memory
• Resolution	VGA Mode : Up to 2048 x 1536 @ 60Hz (PNV D525)
• Dual Display	VGA + LVDS (Optional Function)
• VGA	1 External Port
• LVDS	Single-channel 18-bit LVDS (Optional) Max. 1366 x 768

Audio

• AC97 Codec	Realtek ALC892
• Audio Interface	Mic-in, Line-in, Line-out

Ethernet

• LAN 1	Intel® 82583V Gigabit Ethernet
• LAN 2	Intel® 82583V Gigabit Ethernet

Rear Panel I/O Port

- Rear Panel I/O Port 1 x RS-232, 1 x VGA, 2 x RJ-45 Port, 4 USB 2.0, 1 x eSATA

Internal Panel I/O Port

- Internal Panel I/O Port 1 x Mini PCIe, 2 x USB (Additional 4 USB Ports), 1 x CPU Fan Connector, 1 x Chassis Fan Connector, 1 x LVDS Connector (Optional), 1 x Backlight Connector (Optional), 5 x SATA Connector, 1 x IDE Connector (44-pin Type), 1 x Front Panel Header, 1 x Front Audio, 1 x RS-232 Pin Header, 1 x KB/MS Pin Header, 1 x 16-bit DIO Connector (8-in/ 8-out)

Mechanical & Environmental

• Power Requirement	ATX (+12V, +5V, +3.3V, 5VSB); DC-in (+12V Only)
• ACPI	APMI 1.2, Support ACPI
• Power Type	ATX 20-pin with Standby/ DC-in (4-pin Connector)
• 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)	6.69" x 6.69" (170mm x 170mm)
• Weight	0.88lbs (0.4Kg)

Ordering Information

• ACP-PNV-DV-A1-DCR

Intel® Atom™ PNV-D Mini ITX Motherboard with Intel® ICH9-R Chipset and VGA, 2 GbE, Mini PCIe, PCIe1, 2 SATA/ SATA II, eSATA, 8 USB, 2COM, 16-bit GPIO, 12V DC-in

• ACP-PNV-DV-A1-ATXR

Intel® Atom™ PNV-D Mini ITX Motherboard with Intel® ICH9-R Chipset and VGA, 2 GbE, Mini PCIe, PCIe1, 5 SATA/ SATA II, eSATA, 8 USB, 2 COM, 16-bit GPIO, ATX Power