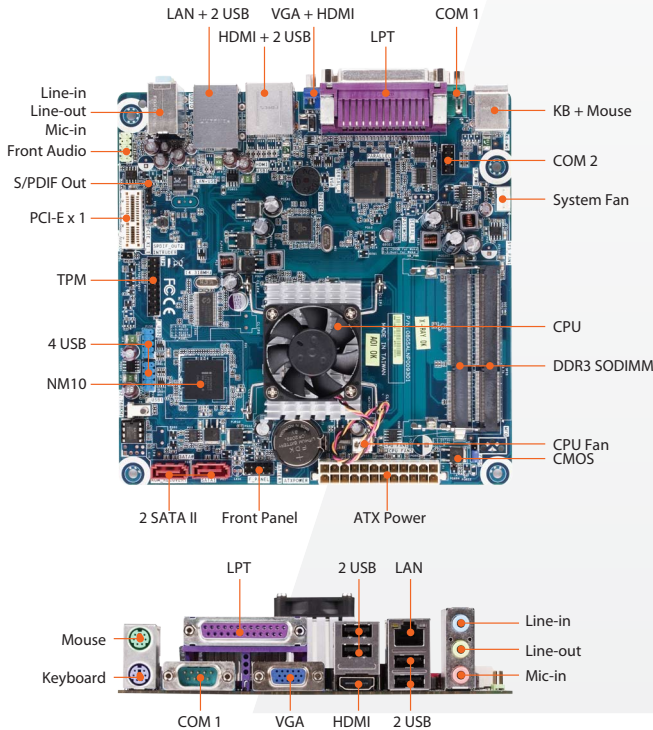


ILNP-IB2

Intel® Atom™ D525 Mini-ITX Motherboard



Features

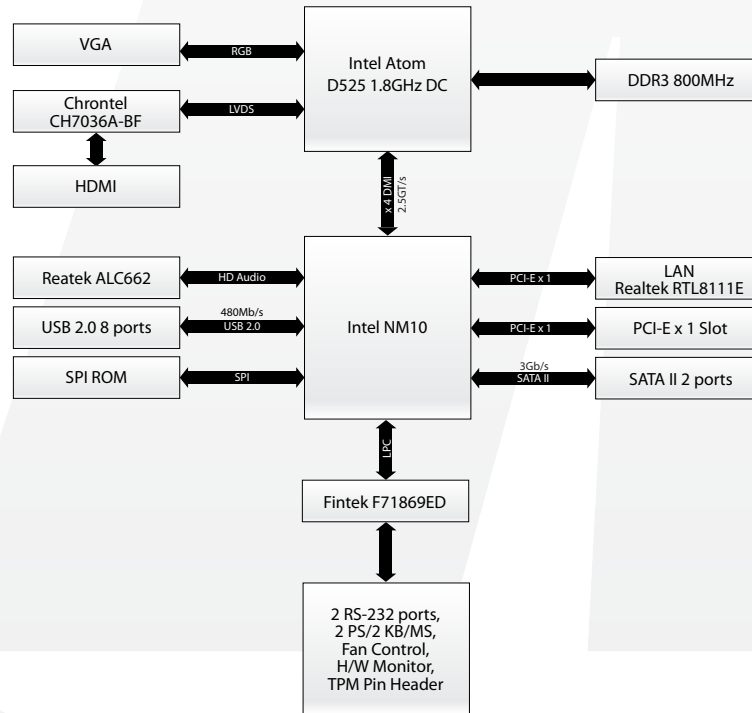
- Two chipset architecture
- Supports Intel D525 dual-core processor at Atom Platform
- Intel Graphics Media Accelerator 3150
- Supports VGA + HDMI Dual Display Function
- Realtek RTL8111E supports Gigabit LAN
- Realtek ALC662 supports 5.1 Channel HD Audio
- 2 SATA II, 1 PCI-E x 1, 2 COM RS-232, 8 USB 2.0, 1 LPT, TPM Header

Specifications

System	
CPU	Onboard Intel Atom D525 1.8GHz DC Processor
BIOS	AMI 8Mb SPI
System Chipset	Intel NM10
I/O Chip	Fintek F71869ED
Memory Type	Two 204-pin SODIMM sockets support up to 4GB single channel DDR3 800MHz SDRAM
H/W Status Monitor	Monitoring temperature, voltage and cooling fan status. Auto throttling control when CPU overheats.
Expansion	1 PCI-E x 1
Power State	S1, S3, S4, S5
TPM	Yes, by TPM Header (2 x 10-pin)
Wake up on LAN or Ring	LAN (WOL), Ring (WOR)
SmartFan Control	Yes
I/O	
MIO	2 COM RS-232, 2 SATA II, 1 HDMI, 1 VGA, 1 LAN, 1 LPT, 1 PS/2 Keyboard, 1 PS/2 Mouse
USB	8 USB 2.0 (4 Rear, 4 Internal)

Display	
Chipset	Integrated Intel GMA 3150
Display Memory	Shared Memory, up to 224MB
Dual Display	VGA + HDMI
VGA	Onboard, supports up to 2048 x 1536 (@60Hz)
HDMI	Onboard, supports up to 1920 x 1080
Audio	
Audio Codec	Realtek ALC662, 5.1 Channel HD Audio
Audio Interface	Line-in, Line-out, Mic-in, S/PDIF Out, Front Audio Header
Ethernet	
LAN	Realtek RTL8111E Gigabit LAN

Block Diagram



Back Panel I/O Port

- 1 PS/2 Keyboard
- 1 PS/2 Mouse
- 1 VGA Port
- 1 HDMI Port
- 1 COM RS-232 Port
- 1 LPT Port
- 4 USB 2.0/ 1.1 Ports
- 1 LAN RJ45 Port
- 1 Audio I/O (3 Jacks)

Internal I/O Connector

- 2 USB Connectors support 4 USB Ports
- 1 COM RS-232 Connector
- 2 SATA Connectors
- 1 Front Audio
- 1 CPU Fan Connector (3-pin)
- 1 System Fan Connector (4-pin)
- 1 TPM Pin Header (20-pin)
- 1 S/PDIF Out (4-pin)
- 1 Clear CMOS Header (3-pin)

Mechanical & Environmental

Power Requirement	+12V (0.54A)	+5V (2.23A)	+3.3V (0.71A)	5VSB (0.34A)
Power Type	ATX			
Power Connector	1 24-pin ATX Power Connector			
Operating Temperature	0°C to 50°C (32°F to 122°F)			
Operating Humidity	0% to 90% relative humidity, non-condensing			
Size (L x W)	6.69" x 6.69" (170 x 170mm)			
Weight	1.03 lbs (0.47 Kg)			