

IPXLP-MB

Motherboard layout reference

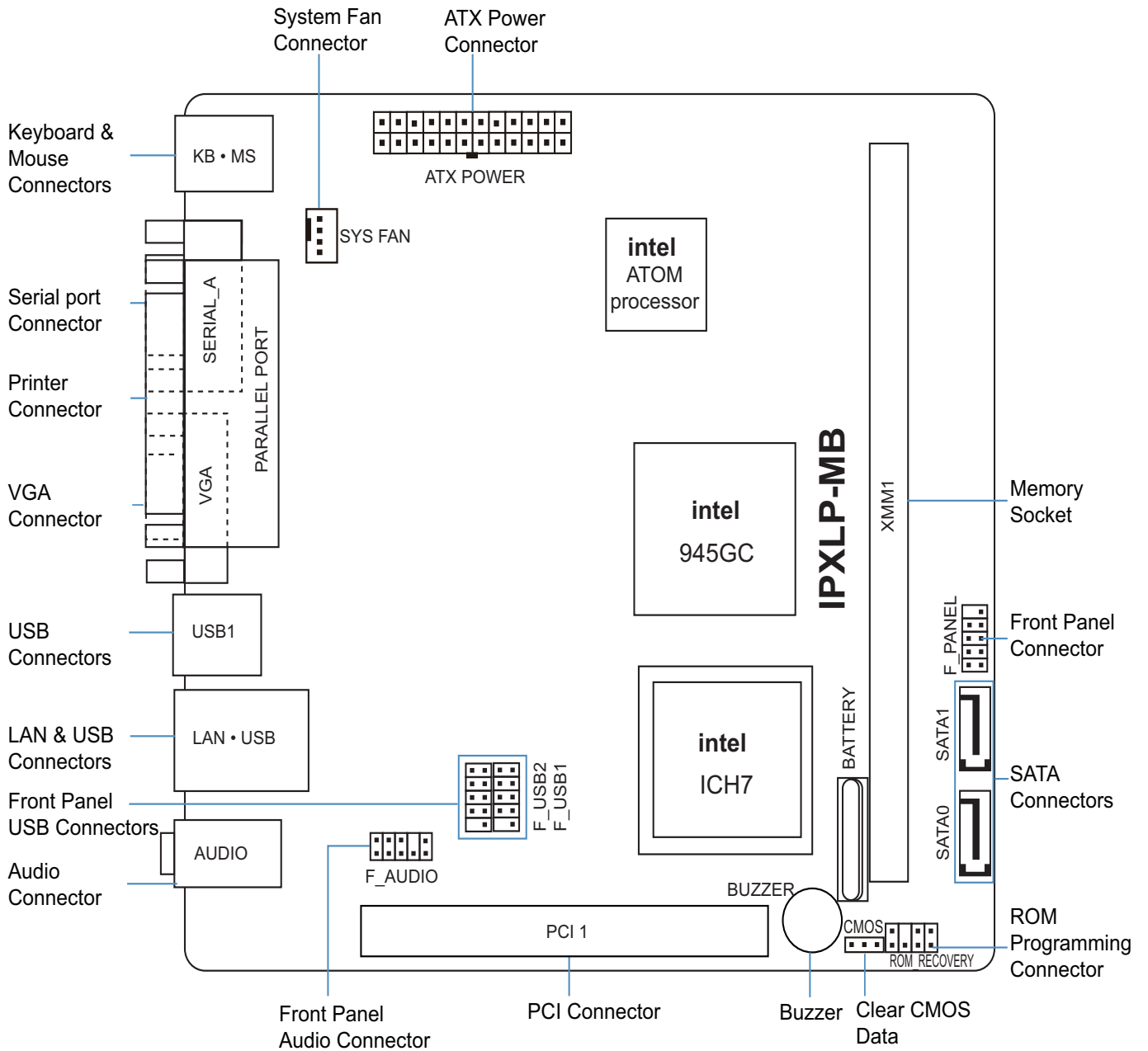
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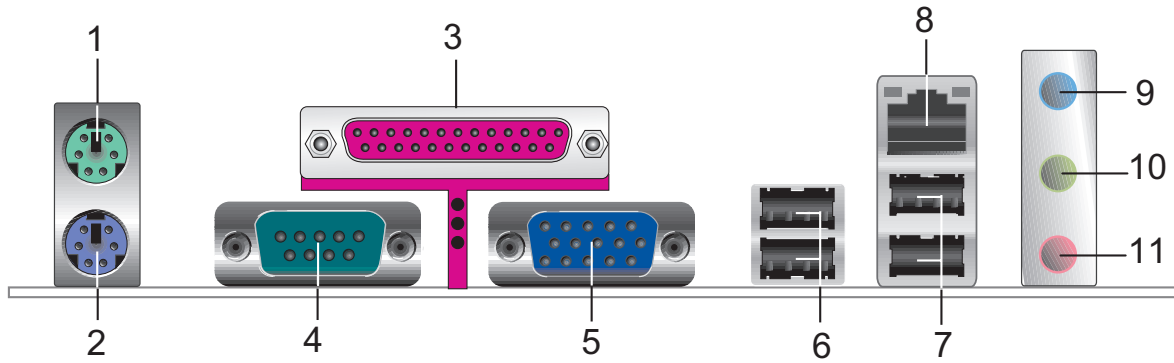
Specifications summary

CPU	Intel Diamondville CPU front side bus supports 533 MHz TDP 8W/4W (Dual core/ Single core)
Chipset	Intel 945GC + Intel ICH7
Front Side Bus	533MHz
Memory	1x 240 pin DIMM sockets support up to 2GB non-ECC 1.8V DDR2 400/533 SDRAM (Functionality of registered dimms are not supported)
Expansion slots	1x PCI
Audio	Support Intel HD Audio Codec with Intel ICH7 embedded Audio controller that includes line-in, line-out (5.1 channel output), and microphone-in using Realtek Audio Codec ALC662-GR
PC Health Monitoring	Supports the following: -FAN: System FAN -Temperature: CPU
LAN	Realtek 8102E 10/100 Mbps PCI-E Ethernet controller
Graphics	Intel Graphics Media Accelerator 950
Storage connector	Intel ICH7 embedded 2 Serial ATA
Rear panel	1x PS/2 Keyboard port 1x PS/2 Mouse port 1x Printer port (optional) 1x COM port (optional) 1x VGA port 1x RJ-45 LAN port 4x USB 2.0 ports (support hot-plug function) 3x Audio Jacks
Internal connectors	1x Front panel connector 2x USB front panel connectors (max. 4 ports) 1x ATX power connector 1x Intel HD Audio front panel connector 1x System Fan connector 2x SATA connectors
BIOS features	4Mb SPI Flash ROM
Form factor	mini-ITX form factor 6.7 in. x 6.7 in.

Motherboard layout



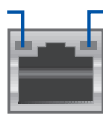
Rear panel connectors



1. **PS/2 mouse port (green).** This port is for a PS/2 mouse.
2. **PS/2 keyboard port (purple).** This port is for a PS/2 keyboard.
3. **Parallel port.** This 25-pin port connects a parallel printer, a scanner, or other devices.
4. **Serial (COM) port.** This 9-pin COM port is for pointing devices and other serial devices.
5. **Video Graphics Adapter (VGA) port.** This 15-pin port is for a VGA monitor or other VGA-compatible devices.
6. **USB 2.0 ports 1 and 2.** These two 4-pin Universal Serial Bus (USB) ports are available for connecting USB 2.0 devices.
7. **USB 2.0 ports 3 and 4.** These two 4-pin Universal Serial Bus (USB) ports are available for connecting USB 2.0 devices.
8. **LAN (RJ-45) port.** This port allows connection to a Local Area Network (LAN) through a network hub. Refer to the table below for the LAN port LED indications.
9. **Line In port (light blue).** This port connects the tape, CD, DVD player, or other audio sources. In 4-channel and 6-channel, the function of this port becomes a Surround Speaker.
10. **Line Out port (lime).** This port connects a headphone or a speaker. In 4-channel or 6-channel, the function of this port becomes Front Speaker Out.
11. **Microphone port (pink).** This port connects a microphone. In 6-channel, the function of this port becomes Subwoofer/Center.

LAN port LED indications

Activity LED	
Status	Description
OFF	No link
BLINKING	Data activity



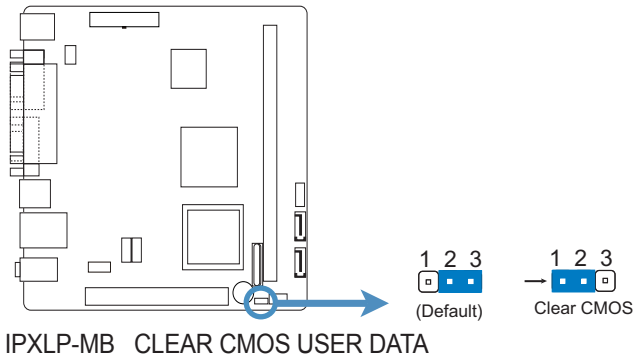
LAN port

Link LED	
Status	Description
OFF	No link
GREEN	Linked

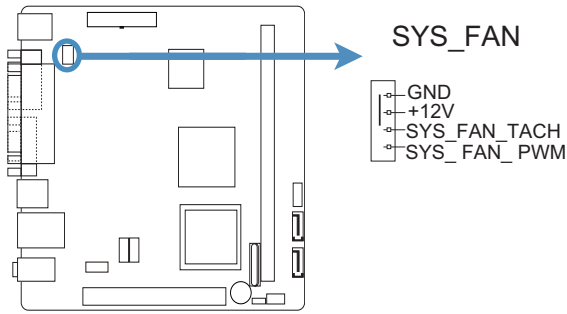
Audio 2, 4, or 6-channel configuration

Port	Headset 2-channel	4-channel	6-channel
Light Blue	Line In	Surround Speaker	Line In
Lime	Line Out	Front Speaker Out	Front Speaker Out
Pink	Mic In	Mic In	Center/Subwoofer

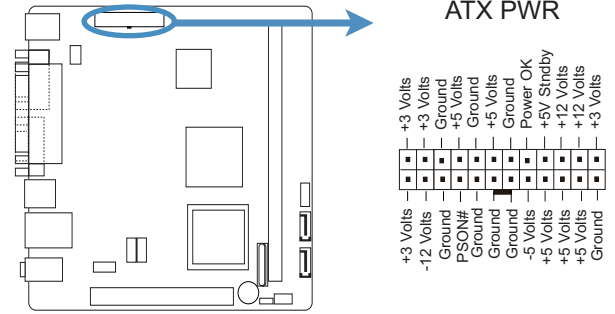
Function Selectors



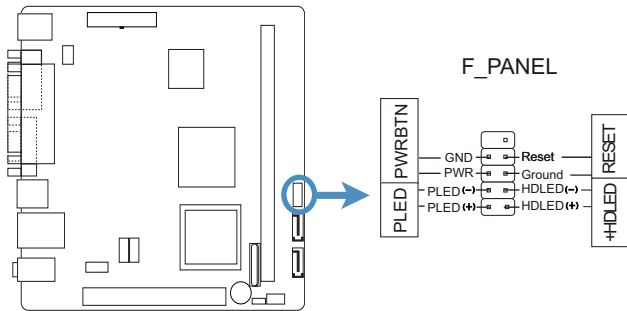
Internal connectors



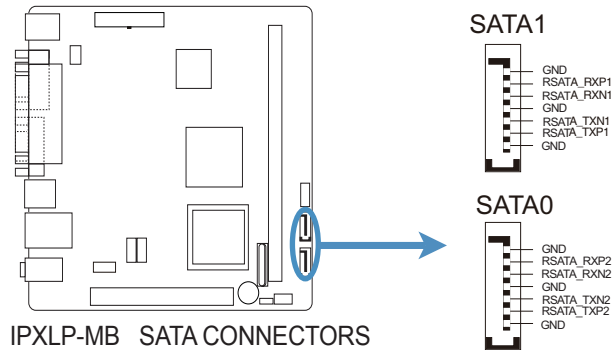
IPXLP-MB SYSTEM FAN CONNECTOR



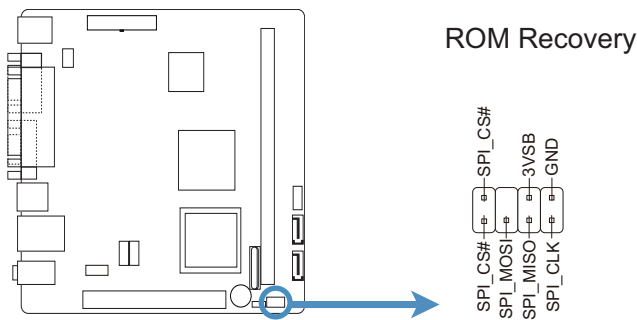
IPXLP-MB ATX POWER CONNECTOR



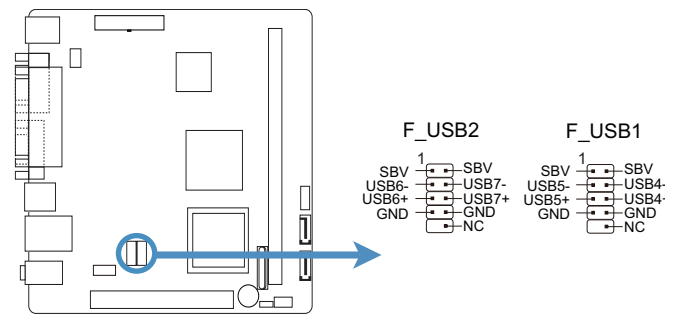
IPXLP-MB FRONT PANEL CONNECTOR



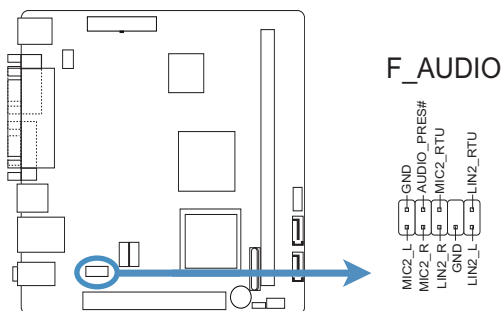
IPXLP-MB SATA CONNECTORS



IPXLP-MB ROM PROGRAMMING CONNECTOR



IPXLP-MB USB CONNECTORS



IPXLP-MB FRONT PANEL AUDIO CONNECTOR