

IPXCR-VN1 Series

Motherboard layout reference

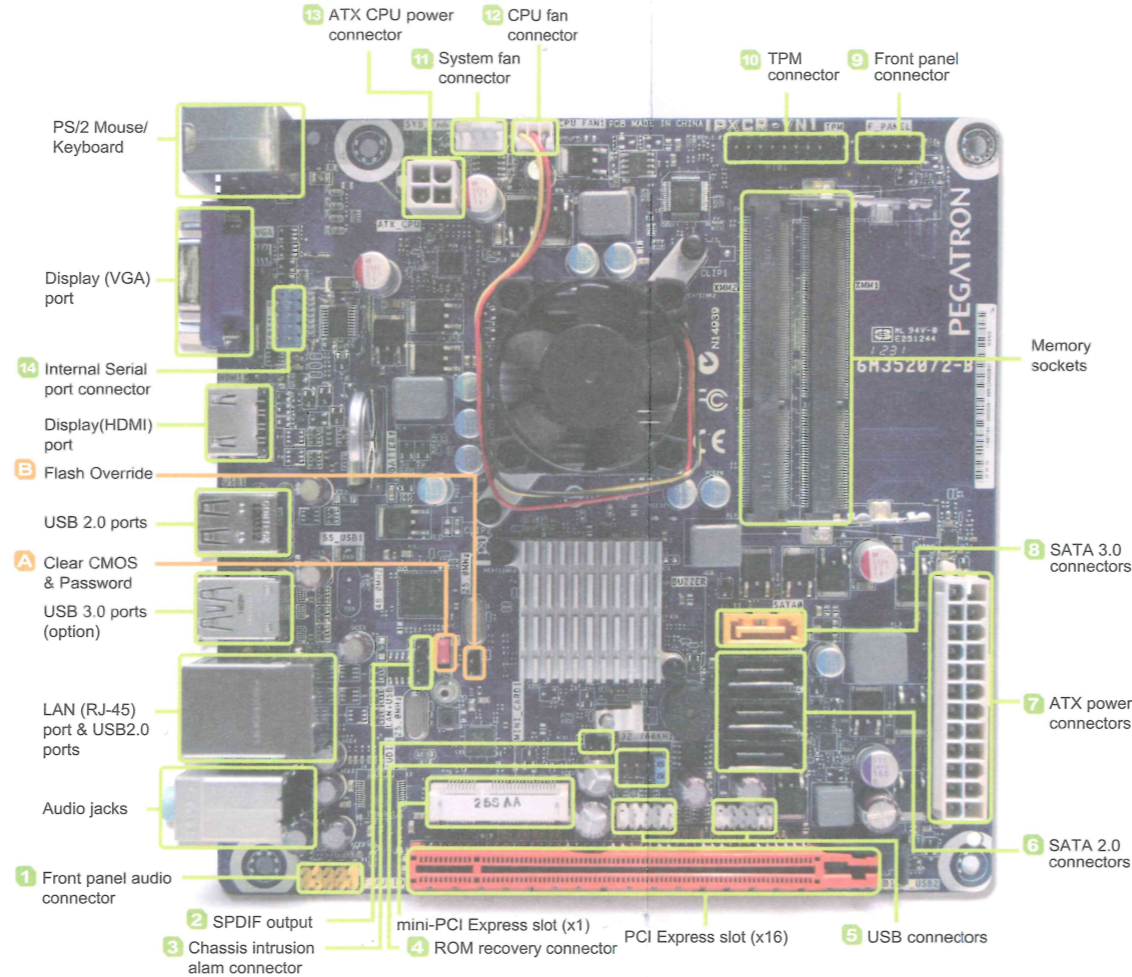
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- Internal connector

Specifications summary

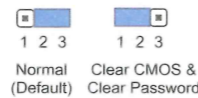
CPU Socket	Socket : BGA 1023 on board Supports : Celeron 1037/847/807 TDP : 17W
Chipset	Intel Chief river NM70
Memory	Dual-channel, 2 Slots, 204 pin DDR3 SO-DIMM, Non-ECC, Unbuffered, Max. 8GB Types: 1066/PC3-8500, 1333/PC3-10600
Graphics	Integrated Graphics
Expansion slots	1x PCI Express slot (x16) 1x mini-PCI Express slot (x1)
Audio	Realtek ALC662 (6-channel)
LAN	Gigabit : Realtek RTL8111F (PCI-E)
Storage	3x SATA II connectors, SATA 300 1x SATA III connectors, SATA 300/600
USB	8 x USB 2.0 ports, 12/480Mbps 2 x USB 3.0 ports, 5Gbps (Option)
Rear panel I/O ports (Depending on model)	1x PS/2 Mouse/Keyboard 1x Display (VGA) port 1x Display (HDMI) port 2x USB 2.0 ports 2x USB 3.0 ports (option) 1x LAN (RJ-45) port + 2x USB2.0 ports 3x Audio jacks (5.1 CH)
Internal connectors	1x ATX CPU power connector 1x ATX power connector 1x CPU fan connector 1x System fan connector 4x SATA connectors 1x Front panel audio connector 1x Internal serial port connectors 1x Chassis intrusion alarm connector 1x Front panel connector 1x SPDIF output connector 1x TPM (Trusted Platform Module) connector
Internal selectors	1x Clear CMOS selector 1x ME F/W Update selector
BIOS	SPI 64Mb (AMI)
Form factor	mini-ITX, 6.7 inches x 6.7 inches

Motherboard layout



Function Selectors

A CLEAR CMOS & PASSWORD SELECTOR

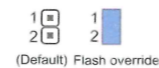


CMOS + PW

To erase the CMOS RTC RAM user settings:
1. Turn OFF the computer and unplug the power cord.
2. Move the cap to clear for 5 to 10 secs, then move cap back to default.
3. Plug the power cord and turn ON the computer.
4. During the boot process, enter BIOS setup to re-enter user settings.

To erase the CMOS RTC RAM password:
1. Turn OFF the computer.
2. Move the cap to Clear, then turn ON the computer to POST screen.
3. Press the power button to turn OFF the computer.
4. Move the cap back to Default.
5. Turn ON the computer.
6. Enter BIOS setup to verify or configure new settings.

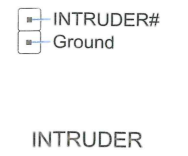
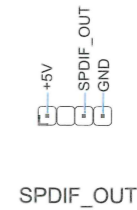
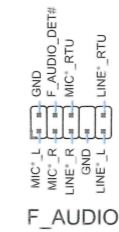
B FLASH OVERRIDE (Intel Management Engine) SELECTOR



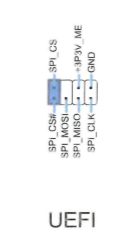
FLASH_OVERRIDE

Internal connectors

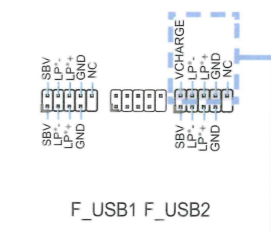
- FRONT PANEL AUDIO CONNECTOR
- SPDIF OUTPUT CONNECTOR
- CHASSIS INTRUSION ALARM CONNECTOR



- ROM RECOVERY CONNECTOR
- SATA 2.0 CONNECTORS



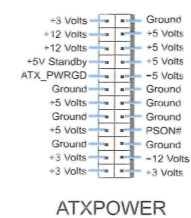
- USB CONNECTORS



- SATA 2.0 CONNECTORS



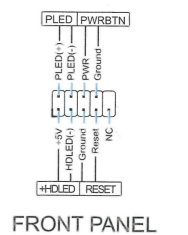
- ATX POWER CONNECTOR



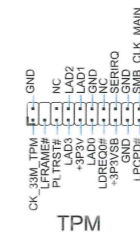
- SATA 3.0 CONNECTORS



- FRONT PANEL CONNECTOR



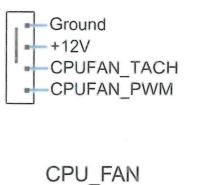
- TPM (Trusted Platform Module) CONNECTOR



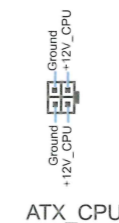
- SYSTEM FAN CONNECTOR



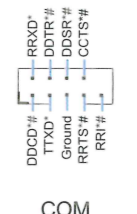
- CPU FAN CONNECTOR



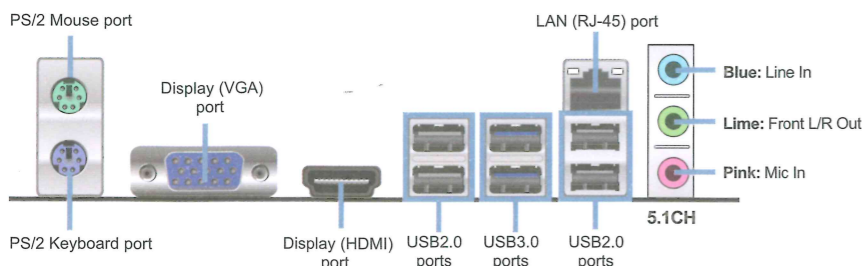
- ATX CPU POWER CONNECTOR



- INTERNAL SERIAL PORT CONNECTOR



Rear panel connectors



LAN port LED indicators

