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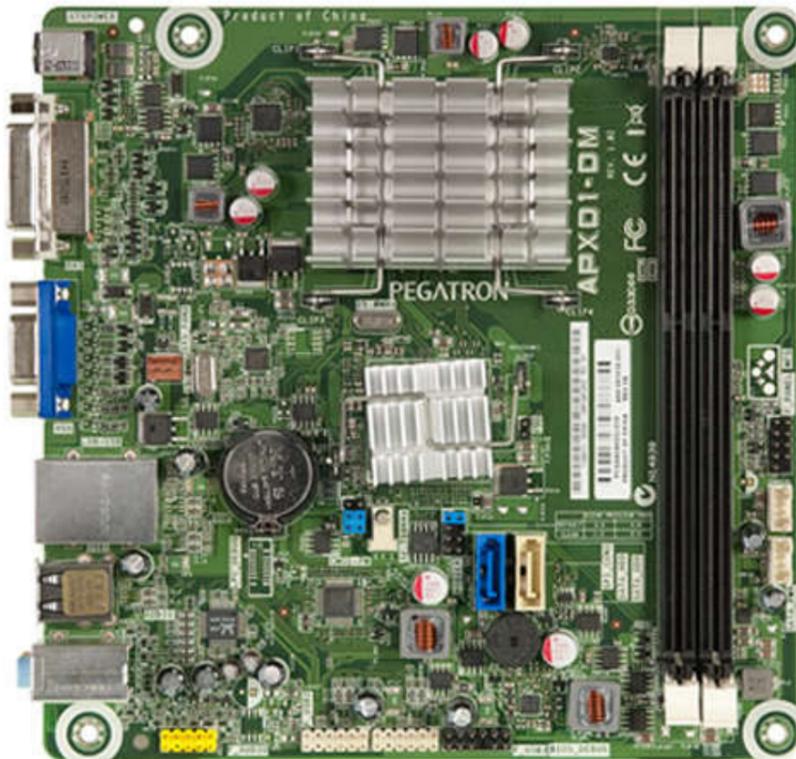Explore   Shop   Support

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HP and Compaq Desktop PCs - Motherboard Specifications, APXD1-DM (Redwood 2)

Figure 1: The Redwood 2 motherboard

+ Motherboard description

- Manufacturer: Pegatron
- Manufacturer name: APXD1-DM
- HP/Compaq name: Redwood 2
- SSID: 2B01

+ Form Factor

- Mini-ITX: 17 cm (6.69 in) x 17 cm (6.69 in)

+ Chipset

- AMD Hudson-D1 FCH

+ Front-side bus speed

- UMI (Unified Media Interface)
- 4 lanes, 5 GT/s per lane

+ Processor upgrade information

- The motherboard supports the AMD Zacate E1-1500 processor only. The processor is not upgradable.

+ Memory upgrade information

Need help?

- Single channel memory architecture
- Two 240-pin DDR3 DIMM sockets
- Supports the following:
  - PC3-8500 (DDR3-1066)
  - PC3-10600 (DDR3-1333)
- Non-ECC memory only, unbuffered
- Supports up to 4 GB on 32-bit systems

  NOTE: 32-bit systems cannot address a full 4.0 GB of memory

- Supports up to 32 GB on 64-bit systems (with 16 GB DIMMs)

  NOTE: Maximum memory shown reflects the capability of the hardware and can be limited further in the operating system.

+ Video

+ Radeon HD 7310 integrated graphics

- AMD Radeon HD 7310 graphics (combined with the processor)
- DVI-D and VGA output ports (can be used at the same time)

  NOTE: Integrated video is not available if a graphics card is installed

+ Audio

+ Integrated Realtek ALC662 Audio

*Integrated audio is not available if a sound card is installed.

- Realtek ALC662 CODEC
- 5.1 channel audio with jack sensing
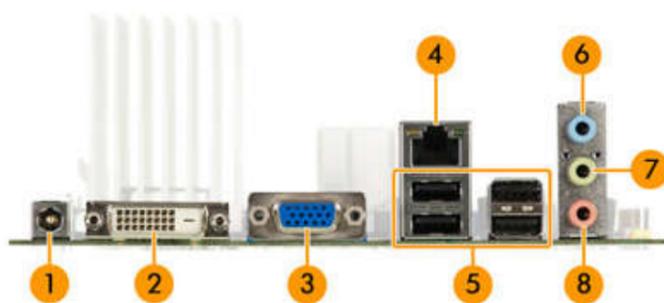
+ Network

+ LAN: 10-Base-T

- Technology: Atheros AR8152
- Data transfer speeds: up to 10/100 Mb/s
- Transmission standards: 10-Base-T Ethernet

I/O Ports and internal connectors

+ Back I/O ports

Figure 2: Back I/O ports

1. DC input power
2. DVI-D
3. VGA
4. LAN
5. USB 2.0: 4
6. Audio: Line in (light blue)
7. Audio: Line out (green)
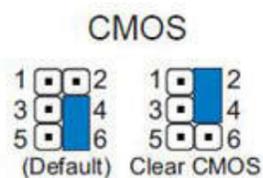8. Audio: Microphone (pink)

Need help?

+ Internal Connectors

- 1x System fan
- 2x SATA 2.0
- 2x USB 2.0
- 1x Front panel audio
- 1x ROM recovery
- 2x SATA power
- 1x Front panel

Jumper Settings

⚠ **CAUTION:** Do not change any jumper setting while the computer is on. Damage to the motherboard can result.
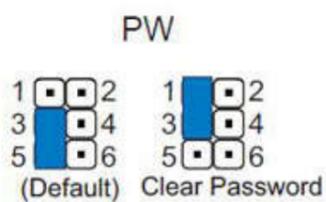
+ Clearing the CMOS settings

This motherboard has a jumper to clear the Real Time Clock (RTC) RAM in CMOS.

CMOS

```
1 ■ ■ 2    1 ■   2
3 ■   4    3 ■   4
5 ■   6    5 ■ ■ 6
(Default)  Clear CMOS
```

1. Turn OFF the computer and unplug the power cord.
2. Move the jumper to clear for 5 to 10 secs, then move the jumper back to default.
3. Plug the power cord and turn ON the computer.
4. On the next startup, enter BIOS setup to re-enter user settings.

+ Clearing the PASSWORD settings

The BIOS password is used to protect BIOS settings from unwanted changes.

PW

```
1 ■ ■ 2    1   ■ 2
3   ■ 4    3   ■ 4
5   ■ 6    5 ■ ■ 6
(Default)  Clear Password
```

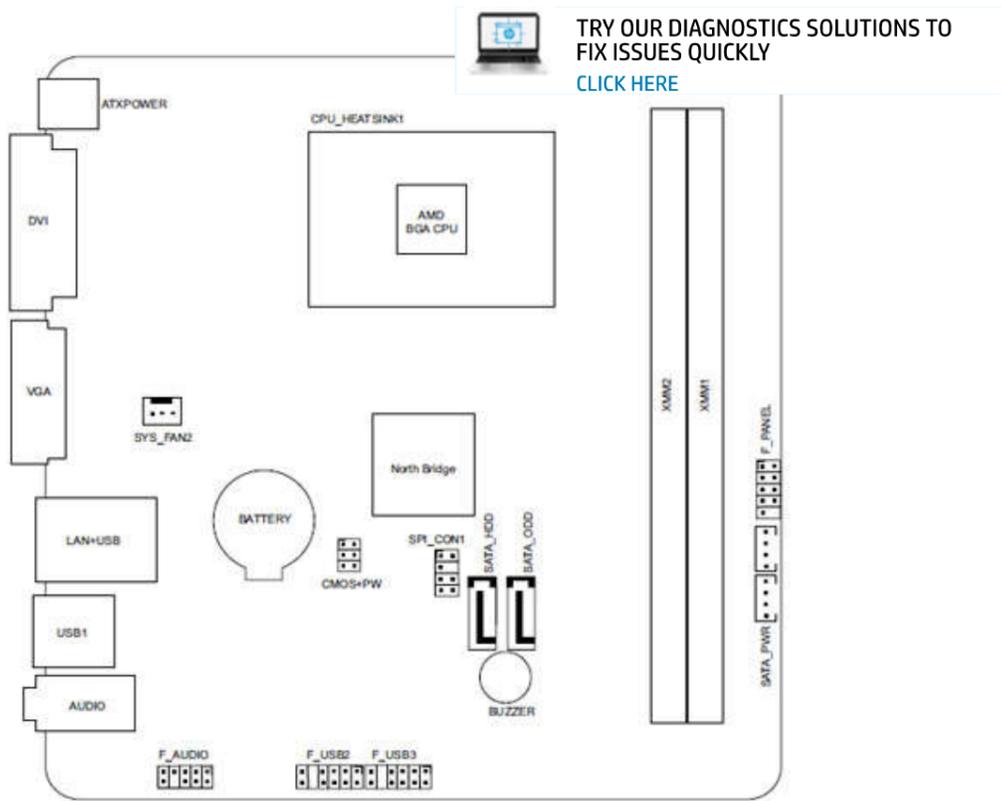To erase the BIOS password follow these steps:

1. Turn OFF the computer.
2. Move the jumper to Clear
3. Turn ON the computer to POST screen.
4. Turn OFF the computer
5. Move the jumper back to Default.
6. Enter BIOS setup to verify or configure new settings.

+ Motherboard layout

Figure 3: layout

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