

# Intel Powered Digital Home Entertainment Solutions

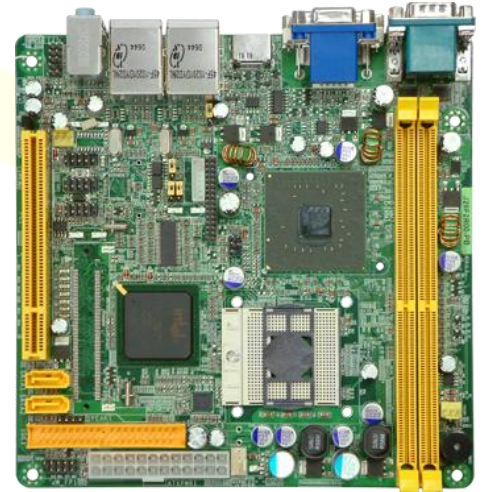


## J9F2-EXTREME Mini-ITX Motherboard Series

*MoDT (Mobile desktop replacement)*

### Overview

- Supports Intel Core 2 Duo Mobile processor
- Supports up to 667 MHz FSB
- Supports Dual Gigabit Ethernet LAN
- Supports 2 Serial ATA2 Devices
- Supports 1080p HDTV at 1920 x 1080
- Supports HDCP
- UXGA up to 1600 x 1200
- Dual Channel DDR2 expandable up to 2 GB
- 6 Channel HD Audio CODEC
- Up to 224 MB shared video memory
- HDMI equipped
- Mini PCI Express support
- Firewire equipped
- Fan throttling to reduce noise
- High Definition Hardware Motion Compensation to support high definition hi-bitrate MPEG2 media playback



| CPU Temperature    | CPU Fan utilization |
|--------------------|---------------------|
| Temp < 45 C        | 6%                  |
| 45 C < Temp < 55 C | 12%                 |
| 55 C < Temp < 65 C | 50%                 |
| 65 C < Temp < 75 C | 70%                 |
| 75 C < Temp        | 100%                |

| System Temperature | System Fan utilization |
|--------------------|------------------------|
| Temp < 20 C        | 30%                    |
| 20 C < Temp < 30 C | 50%                    |
| 30 C < Temp < 40 C | 70%                    |
| 40 C < Temp < 50 C | 80%                    |
| 50 C < Temp        | 100%                   |

### Specifications

|                             |   |
|-----------------------------|---|
| <b>Form Factor</b>          | Mini-ITX 170 mm x 170 mm  |
| <b>CPU</b>                  | Supports Intel Core 2 Duo / Core Duo / Core Solo Mobile<br>Supports Low Voltage Edition<br>Socket type: 479 Socket M  |
| <b>Memory</b>               | 2 * Dual Channel 240-pin DIMM Sockets for unbuffered DDR2 667 SDRAM up to 2 GB  |
| <b>Chipset</b>              | Intel 945GM North bridge Chipset and Intel ICH7M South bridge Chipset   |
| <b>Power Management</b>     | ACPI S3 Compliant, supports power saving mode   |
| <b>PCI enhanced IDE</b>     | 2 * Ultra DMA 100 / 66 IDE Devices Support  |
| <b>Serial ATA Interface</b> | 2 Serial ATA2 Devices Support   |
| <b>VGA Interface</b>        | Intel Graphics Media Accelerator 950  |
| <b>LVDS Interface</b>       | Onboard 18-bit dual channel LVDS connector  |
| <b>Audio Interface</b>      | Realtek ALC888 6-Channel Audio CODEC  |
| <b>LAN Interface</b>        | Dual Realtek RTL8111B 10 / 100 / 1000 PCI-E LAN   |
| <b>Extended Interface</b>   | 1 * 32-bit PCI Slot<br>1 * Mini PCI<br>1 * Mini PCI Express x1  |
| <b>Internal I/O Port</b>    | 1 * High Speed USB Connectors @ 480 Mbit / s for 2 USB 2.0 Ports<br>1 * CPU Smart Fan, 2 * DC Fan Connectors<br>1 * CD / AUX Audio in & SPEAK Out<br>1 * TV Out Connector / 1 * LVDS Connector<br>1 * IEEE 1394a pin-header<br>1 * IrDA (CIR) |
| <b>External I/O Port</b>    | 4 * High Speed USB Connectors @ 480 Mbit / s<br>1 * HDMI<br>1 * DVI-D Port / 1 * D-Sub 15-pin VGA Connector / 1 * HDMI Port<br>2 * Serial COM Ports / 2 x RJ45 Connectors / 1 * Audio I / O   |
| <b>BIOS</b>                 | Award 4 MB Flash ROM  |

\* The specification may be changed without further notice.

\* For further information, please go to <http://www.jetwaycomputer.com>

\* To contact us, please call at (510) 857 - 0130