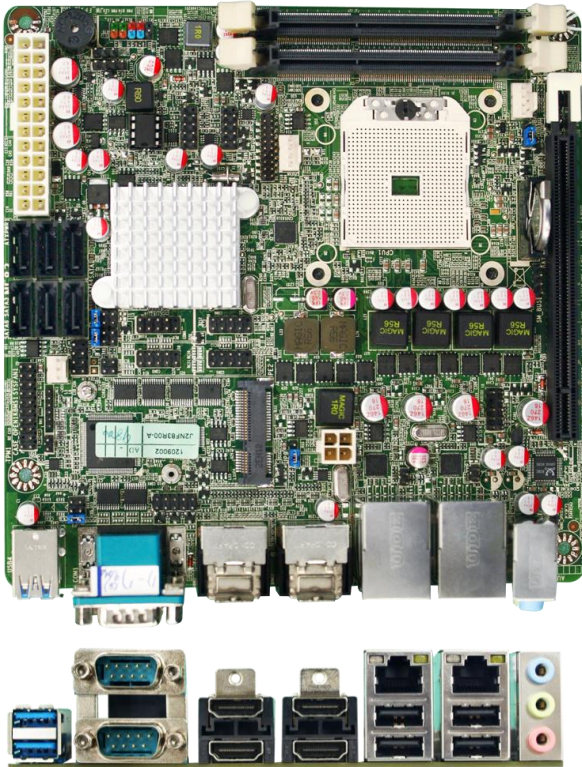


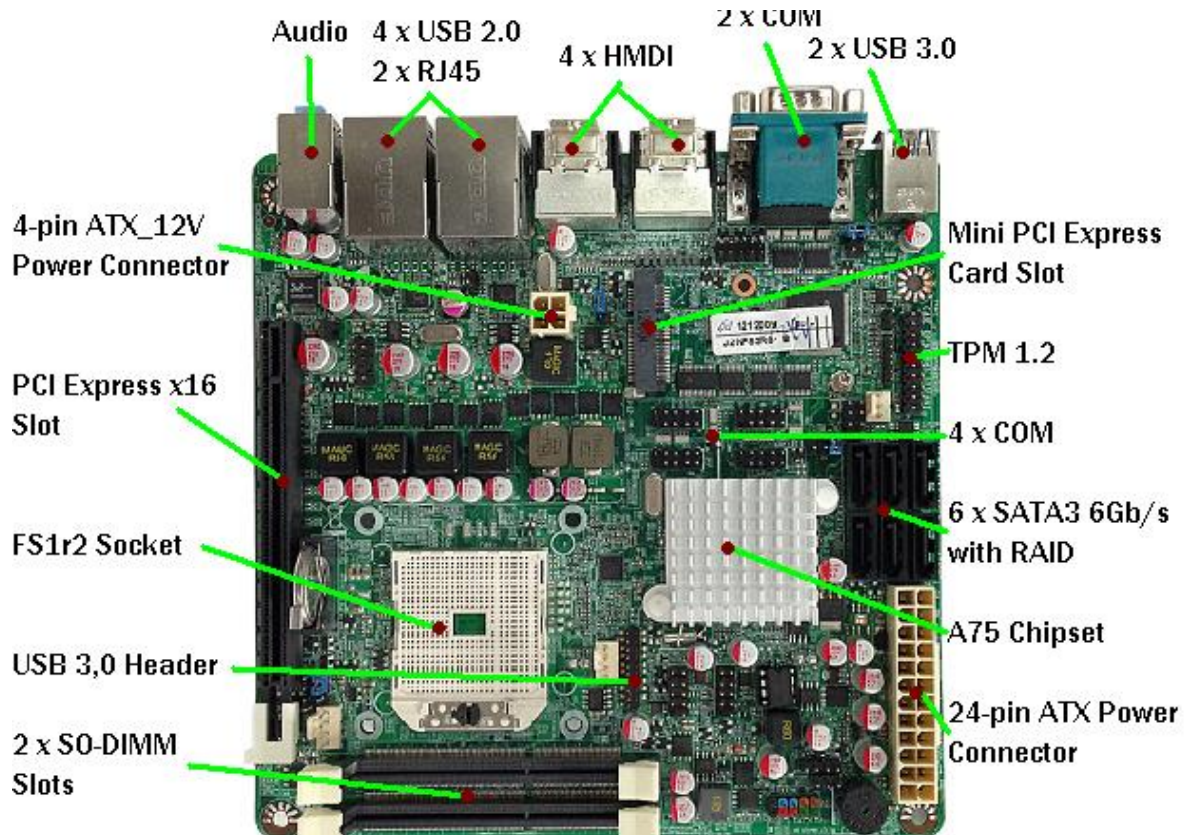
# NF83

AMD eTrinity Mini-ITX / AMD R-Series APU  
4 HDMI / 2 GbE / 6 COM / SATA3 / USB 3.0



## Features

1. Embedded Long-life Series, 5 Year Availability
2. AMD eTrinity Platform, AMD A75 Chipset
3. Supports Socket FS1r2 AMD R-Series APU (35W)
4. Discrete-class AMD Radeon™ HD 7000G Series graphics
5. Supports up to 4 independent displays or a single large surface with AMD Eyefinity technology. Even more with the addition of a discrete graphics card.
6. 4 \* HDMI 1.4a Video Outputs
7. 2 \* DDR3-1600 SO-DIMM Memory up to 16GB Total
8. 6 \* SATA3 6Gb/s Ports supporting RAID 0, 1, 10
9. 4 \* USB 3.0 Ports (2-Ext, 2-Int), 8 \* USB 2.0 Ports (4-Ext, 4-Int)
10. Dual Gigabit LAN, 6 \* Serial Ports, 5.1-CH HD Audio
11. PCI Express 2.0 x16 Slot, PCI Express Mini Card Slot
12. Watchdog Timer, TPM Header, 8bit GPIO
13. Mini-ITX Form Factor (170mm x 170mm)



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## NF83 Specifications

<b>CPU</b>	<ul style="list-style-type: none"> <li>■ Supports AMD R-Series APU, Socket FS1r2, 35W</li> <li>■ R-464L, R-460H, R-272F, R-268D (APU not included)</li> </ul>
<b>Chipset</b>	<ul style="list-style-type: none"> <li>■ AMD A75 Chipset (Hudson D3)</li> </ul>
<b>Video</b>	<ul style="list-style-type: none"> <li>■ Integrated AMD Radeon HD 7000G Series Graphics in APU (See APU specs for details)</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>■ 2 * 204-pin DDR3-1600 Dual Channel SO-DIMM up to 16GB</li> </ul>
<b>Expansion Slots</b>	<ul style="list-style-type: none"> <li>■ 1 * PCI Express 2.0 x16 Slot</li> <li>■ 1 * PCI Express Mini Card Slot (full-size)</li> </ul>
<b>Storage</b>	<ul style="list-style-type: none"> <li>■ 6 * SATA3 6Gb/s ports supporting RAID 0, 1, 10</li> </ul>
<b>Audio</b>	<ul style="list-style-type: none"> <li>■ Realtek ALC662 5.1 Channel Audio</li> </ul>
<b>Network</b>	<ul style="list-style-type: none"> <li>■ 2 * Realtek RTL8111EVL PCI-E Gigabit LAN with Enhanced Surge Protection</li> </ul>
<b>Serial</b>	<ul style="list-style-type: none"> <li>■ 6 * RS232 Serial Ports Total (2-External, 4-Internal)</li> </ul>
<b>USB</b>	<ul style="list-style-type: none"> <li>■ 12 Total: 4 * USB 3.0, 8 * USB 2.0</li> </ul>
<b>Other Features</b>	<ul style="list-style-type: none"> <li>■ Support ACPI S3, CPU Smart FAN, Watchdog Timer 10-255 min/sec</li> </ul>
<b>Rear Panel I/O</b>	<ul style="list-style-type: none"> <li>■ 2 * USB 3.0 Ports</li> <li>■ 4 * USB 2.0 Ports</li> <li>■ 4 * HDMI</li> <li>■ 2 * Serial Ports (RS232)</li> <li>■ 2 * RJ-45 Ports</li> <li>■ 3 * Audio Ports (Line-in, MIC, Line-out)</li> </ul>
<b>Internal I/O</b>	<ul style="list-style-type: none"> <li>■ 1 * USB Headers for 2 * USB 3.0 Ports</li> <li>■ 1 * USB Headers for 4 * USB 2.0 Ports</li> <li>■ 4 * Serial Headers (3 * RS232, 1 * RS232/422/485)</li> <li>■ 1 * TPM 1.2 Header</li> <li>■ 1 * 8bit GPIO, 1 * CIR Header</li> <li>■ 1 * Chassis Intrusion Header</li> <li>■ 1 * 24-pin ATX Power Connector &amp; 4-pin 12V ATX Connector</li> <li>■ Front Panel Headers</li> </ul>
<b>BIOS</b>	<ul style="list-style-type: none"> <li>■ AMI EFI 64MB SPI Flash ROM</li> </ul>
<b>Box Contents</b>	<ul style="list-style-type: none"> <li>■ NF83 Motherboard, SATA Cables, RS232 Cable, Manual, DVD Driver Disk, I/O Shield, Low-Profile CPU Heatsink &amp; Fan</li> </ul>
<b>Compliance</b>	<ul style="list-style-type: none"> <li>■ CE, FCC, RoHS, ErP</li> </ul>
<b>Temperature</b>	<ul style="list-style-type: none"> <li>■ Operating Temperature 0~50 ° C</li> <li>■ Storage Temperature -20-85 ° C</li> </ul>
<b>Form Factor</b>	<ul style="list-style-type: none"> <li>■ Mini-ITX Form Factor (170mm x 170mm)</li> </ul>
<b>Warranty</b>	<ul style="list-style-type: none"> <li>■ 2 Years Limited Warranty</li> </ul>

\*Specifications subject to change without notice, not responsible for typographical errors.



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