Mini-ITX Form Factor

Intel® Desktop Board D2700DC Innovation Series

The Intel Desktop Board D2700DC is the latest Innovation Series board that optimizes the performance of the Intel® Atom™ processor D2700 and the Intel® NM10 Express Chipset by delivering new-generation technologies, value-added features, and easy integration. The Intel Desktop Board D2700DC is perfect for an entry-level home theater PC.

The Intel Desktop Board D2700DC features the new integrated dual-core 2.13 GHz Intel Atom processor D2700. This processor supports Intel® Graphics Media Accelerator 3650, an improved graphics core that supports high-definition video playback capabilities compared with the previous-generation entry-level desktop PC. This board provides flexibility and upgradability with two single-channel SODIMM connectors for DDR3 1066 / 800 MHz memory support (4 GB1 max). The use of SODIMM memory modules delivers greater performance and power efficiency. The revolutionary two-chip layout continues to enable lower power consumption and saves 70 percent of its board layout size. This results in a board that has better heat flow with the passive thermal solution.

The Intel Desktop Board D2700DC provides enhanced features such as 10/100/1000 Mb/s integrated LAN, integrated six-channel Intel® High Definition Audio2, and dual display capability with HDMI® and digital DVI ports. Supporting a USB Solid-State Drive keep-out zone design, the Intel Desktop Board D2700DC is ideal for a diskless usage model by integrating the USB Solid-State Drive inside the chassis.

The Intel Desktop Board D2700DC is a mini-ITX form factor board. Backward-compatible with ATX and microATX, this form factor allows you to build green, energy-efficient, small form factor solutions. This board offers a simple and affordable system in a compact 170mm x 170mm size.

Available at an affordable price, the Intel Desktop Board D2700DC is ideal for innovative small form factor systems targeting the entry-level home theater PC market.
The boxed Intel® Desktop Board D2700DC solution includes:

- ATX 2.2 compliant I/O shield
- SATA cables
- Board and back panel I/O layout stickers
- Quick reference guide
- Intel® Express Installer driver and software DVD
- Microsoft® Windows® 7 WHQL certified

The takeaway software included with the Intel® Desktop Board D2700DC works best for your everyday computing.

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<th>CAPABILITY</th>
<th>SOFTWARE INCLUDED:</th>
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<tr>
<td>Productivity</td>
<td>• Intel AppUp™</td>
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<tr>
<td></td>
<td>• Intel® Integrator Assistant (Internet Download)</td>
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<td>• Laplink® PCmover Express®</td>
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<td>Entertainment</td>
<td>• DivX® for Windows®</td>
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<td>Antivirus</td>
<td>• ESET® Smart Security 4 (45-day license)</td>
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Intel® Desktop Board D2700DC Innovation Series
Features and Benefits

1. Integrated with the new dual-core Intel® Atom™ processor D2700: Features an integrated graphics core (Intel® GMA 3650) with high-definition graphics performance improvements.

2. Intel® NM10 Express Chipset: Designed to support the new Intel® Atom™ processor D2700.

3. Single-channel DDR3 with two connectors for 1066 / 800 MHz memory support (4 GB¹ max)

4. One PCI connector: Expansion connector for custom system configurations and future add-in card upgrades.

5. One PCI Express* Mini Card connector: Expansion connector for future add-in upgrades such as Wi-Fi* or WiMax* cards.

6. Two SATA ports (3.0 Gb/s)

7. Six-channel Intel® High Definition Audio²: Rich 5.1-channel audio experience with S/PDIF optical audio port.

8. Integrated 10/100/1000 Mb/s Network Connection

9. Seven Hi-Speed USB 2.0 ports: Four back panel ports and three additional ports via internal header.

10. Mini-ITX / microATX-compatible form factor
### Intel® Desktop Board D2700DC Innovation Series

#### Technical Specifications

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<th>Category</th>
<th>Details</th>
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<td><strong>Processor</strong></td>
<td><strong>Processor Support</strong>&lt;br&gt;• Intel® Atom™ processor D2700 (dual-core / 2.13 GHz / Intel® Hyper-Threading Technology1 / 512 KB x 2 L2 cache)</td>
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<td><strong>Chipset</strong>&lt;br&gt;• Intel® NM10 Express Chipset</td>
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<td></td>
<td><strong>Graphics</strong>&lt;br&gt;• Intel® Graphics Media Accelerator 3650&lt;br&gt;• One HDMI* port&lt;br&gt;• One digital DVI port</td>
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<td><strong>I/O Controller</strong>&lt;br&gt;• Two SATA ports (fully shrouded)&lt;br&gt;• USB 2.0&lt;br&gt;• Four external ports&lt;br&gt;• Three ports via headers</td>
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<td><strong>Audio Solution</strong>&lt;br&gt;• 5.1 channel Intel® High Definition Audio2 (with multi-streaming)&lt;br&gt;• Front-panel mic / headphone header&lt;br&gt;• SPDIF optical output port</td>
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<td><strong>Network Connection</strong>&lt;br&gt;• Intel® 82574L 10/100/1000 Mb/s Ethernet Controller</td>
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1 System resources and hardware (such as PCI and PCI Express®) require physical memory address locations that can reduce available addressable system memory. This could result in a reduction of as much as 1 GB or more of physical addressable memory being available to the operating system and applications, depending on the system configuration and operating system.

2 Intel® High Definition Audio requires a system with an appropriate Intel® chipset and a motherboard with an appropriate codec and the necessary drivers installed. System sound quality will vary depending on actual implementation, controller, codec, drivers, and speakers. For more information about Intel® HD Audio, refer to www.intel.com/design/chipsets/hdaudio.htm

3 Intel® Hyper-Threading Technology requires a computer system with a processor supporting HT Technology and an HT Technology-enabled chipset, BIOS, and operating system. Performance will vary depending on the specific hardware and software you use. For more information including details on which processors support HT Technology, see www.intel.com/info/hyperthreading.

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For ordering information, visit www.intel.com
For the most current product information, visit http://developer.intel.com/products/desktop/motherboard/