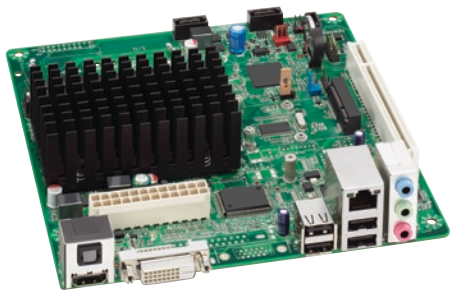
PRODUCT BRIEF
Intel® Desktop Board D2700DC
Innovation Series

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 GB[1] 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 Audio[2], 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.

Intel® Desktop Board D2700DC Innovation Series

The boxed Intel® Desktop Board D2700DC solution includes:

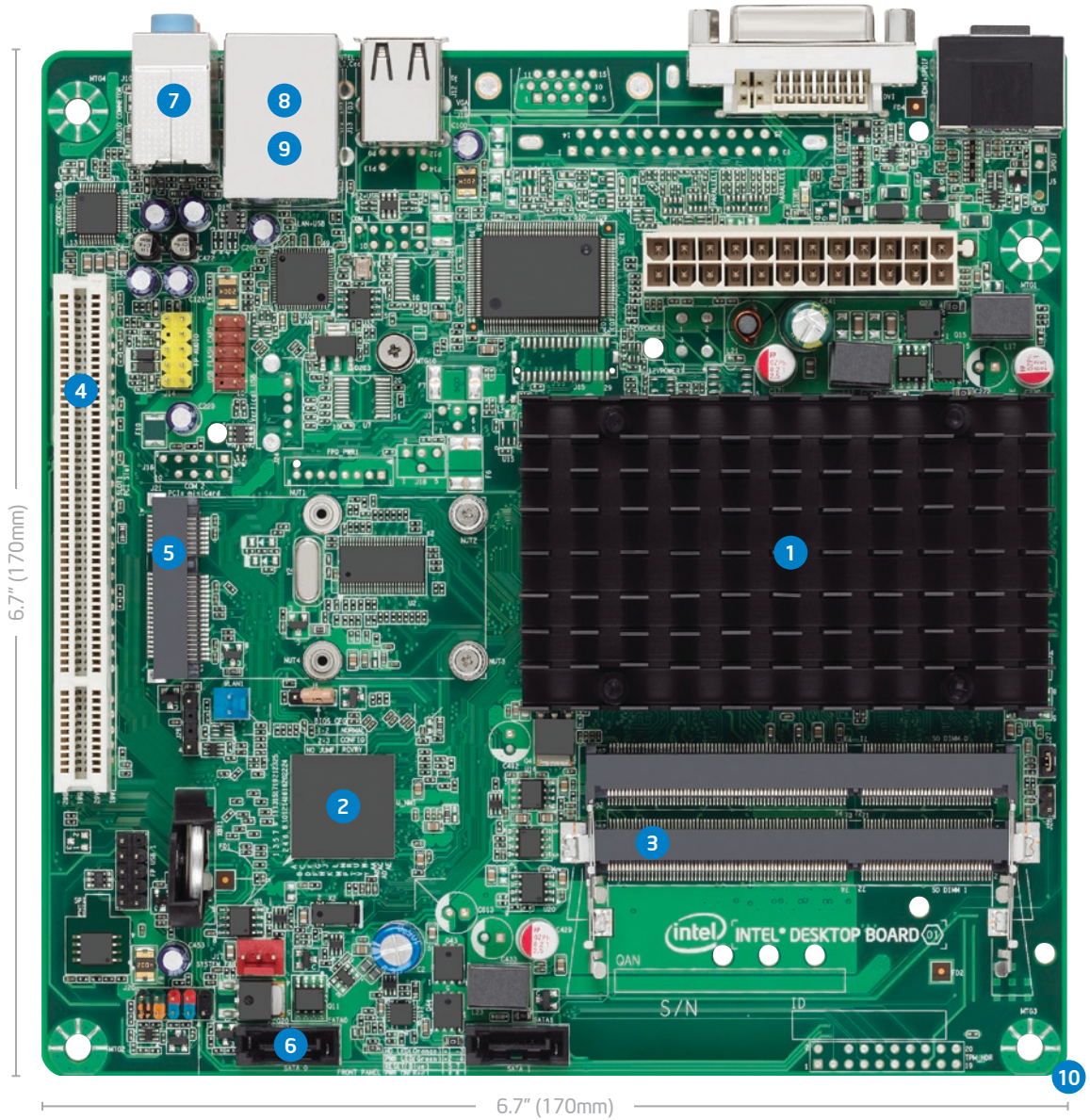
- ATX 2.2 compliant I/O shield
- SATA cables
- Board and back panel I/O layout stickers
- Quick reference guide
- Intel® Express Installer driver and software DVD
- Microsoft* Windows* 7 WHQL certified

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

CAPABILITY	SOFTWARE INCLUDED:
Productivity	▪ Intel AppUp℠
	▪ Intel® Integrator Assistant (Internet Download)
	▪ Laplink* PCmover Express*
Entertainment	▪ DivX* for Windows*
Antivirus	▪ ESET* Smart Security 4 (45-day license)

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 GB[1] 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 Audio[2]:** 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

For ordering information, visit **www.intel.com**

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

PROCESSOR
Processor Support
- Intel® Atom™ processor D2700 (dual-core / 2.13 GHz / Intel® Hyper-Threading Technology[3] / 512 KB x 2 L2 cache)

CHIPSET
- Intel® NM10 Express Chipset

Graphics
- Intel® Graphics Media Accelerator 3650
- One HDMI* port
- One digital DVI port

I/O Controller
- Two SATA ports (fully shrouded)

USB 2.0
- Four external ports
- Three ports via headers

Audio Solution
- 5.1 channel Intel® High Definition Audio[2] (with multi-streaming)
- Front-panel mic / headphone header
- S/PDIF optical output port

10/100/1000 Network Connection
- Intel® 82574L 10/100/1000 Mb/s Ethernet Controller

System BIOS
- 8 Mb Flash EEPROM with Intel® Platform Innovation Framework for EFI Plug and Play, IDE drive auto-configure
- Advanced configuration and power interface V2.0b, DMI 2.0, multilingual support
- Serial Peripheral Interface (SPI) Flash

Fast Boot BIOS
- Optimized POST for almost instant-on access to PC from power-on

SYSTEM MEMORY
Memory Capacity
- Single-channel DDR3 with two connectors for 1066 / 800 MHz memory support (4 GB[1] max)

Memory Types
- DDR3 1066 / 800 SDRAM memory support
- Non-ECC Memory

Memory Voltage
- 1.8 V

Wake-up from Network
- Wired for Management (WfM) 2.0 compatible
- Support for system wake-up using an add-in network interface card with remote wake-up capability

Expansion Capabilities
- One PCI connector
- One PCI Express* Mini Card connector

JUMPERS AND FRONT PANEL CONNECTORS
Jumpers
- Jumper: yellow
- Header: black

Front-Panel Connectors
- Reset, HD LED, Power LEDs, power on/off, aux LED
- USB 2.0 headers
- Audio header

MECHANICAL
Board Style
- Mini-ITX / microATX-compatible
- 170mm x 170mm

Baseboard Power Requirements
- ATX12V or SFX12V

ENVIRONMENT
Operating Temperature
- 0°C to +50°C

Storage Temperature
- -20°C to +70°C

REGULATIONS AND SAFETY STANDARDS
United States and Canada
UL 60950-1

Canada
CAN / CSA-C22.2 No. 60950-1

Europe
(Low Voltage Directive 2006/95/EC)
EN 60950-1

International
IEC 60950-1

EMC Regulations (Class B)
United States
FCC CFR Title 47, Chapter I, Part 15, Subparts A / B

Canada
ICES-003

Europe
(EMC Directive 2004/108/EC)
EN 55022 and EN 55024

Australia/New Zealand
EN 55022

Japan
VCCI V-3, V-4

South Korea
KN-22 and KN-24

Taiwan
CNS 13438

International
CISPR 22

Environmental Compliance
Europe
Europe RoHS (Directive 2002/95/EC)

China
China RoHS (MII Order # 39)

[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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Actual Intel® Desktop Board may differ from the image shown.

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