

MPC-1000 Portable PC

Rugged Portable Computer

Features

- » Ruggedized compact portable computer in an aluminum alloy chassis.
- » Powered by Intel dual- or quad-core Sandy Bridge processor.
- » Up to 16GB main memory.
- » Supports PCI-Express expansion card.
- » 15.6" LCD, 1366x768 resolution.
- » Spill-proof and backlit keyboard. Crisp clear white LED light illuminates each key.
- » One removable, one fix drive bays for 2.5" hard drives. One optical disk drive.
- » AC model MPC-1000A powered by external 220W AC adapter power supply.
- » DC model MPC-1000D powered by two lithium-ion batteries with up to 8 hours of operating time.
- » Includes shoulder strap and towing case for easy transportation.

Self-contained mobile computing solution

The MPC-1000 is a portable computer designed for mobile professionals that require desktop PC performance. It offers added functions of PCIe add-on card through a PCIe x16 expansion slot.

About the size of a briefcase, the MPC-1000 packs powerful dual- or quad-core computing power in a road-ready briefcase size portable enclosure. The rugged computer chassis is constructed of aluminum alloy. A large carrying handle makes carrying the computer easy, and a carry case with wheels let you transport the system over long distances.

The MPC-1000 system features a 15.6" widescreen LCD, lighted and spill-proof keyboard. Internally, a Mini-ITX form-factor motherboard supports the latest Intel processors and HD graphics. A fully configured MPC-1000 provides a totally integrated portable PC ready to be deployed in industrial and field environments such as telecom field service, data acquisition and test applications.

Expandable and upgradable system features using COTS components

MPC-1000 is designed to let you expand its I/O capabilities using commercial-off-the-shelf (COTS) processors, storage devices, and PCIe add-in cards. Its card cage provides one PCI-Express x16 slot. There are two hard drive bays supporting 2.5" hard drives, one of which is externally removable.



Battery Powered MPC-1000D



AC Powered MPC-1000A

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System Enclosure Specifications

<i>Chassis Construction</i>	System Enclosure Briefcase size chassis constructed of 2.2 mm aluminum alloy. Supports Mini-ITX form-factor motherboards. Slim optical disk drive bay. Two 2.5" hard drive bays - one removable, one internal. Room for PCIe x16 expansion slot through riser card. Supports card length of 11.5" for a single-slot width card, or 7.5" for double-slot width card. Rubber corner bumpers. Built-in speakers. Color: Military green (Pantone 5605).
<i>Display</i>	15.6" widescreen LCD monitor, 1366x768 resolution. Brightness (cd/m2): 300.
<i>Storage Bays</i>	1x 2.5" removable hard drive bay. 1x 2.5" internal hard drive mount. 1x slim-type optical disk drive bay.
<i>Keyboard</i>	Spill-proof and backlit keyboard. Crisp clear white LED light illuminates each key. Integrated touchpad pointing device.
<i>Cooling</i>	Two 120mm case fans with filter.
<i>Dimensions</i>	15.75" (W) x 13.125" (D) x 5.125" (H).
<i>Weight</i>	MPC-1000A: approximately 17 lbs. MPC-1000D: approximately 22 lbs. with two lithium-ion battery packs.

<i>MPC-1000A</i>	Electrical and Power AC Adapter Input: 100 ~ 240 VAC, 50 ~ 60 Hz, 4.0 A. AC Adapter Output: 24 VDC, 9.2 A, 220 watt max. Internally MPC-1000A uses a fanless, 250 watt DC-DC ATX power supply.
<i>MPC-1000D</i>	MPC-1000D comes with two hot-swappable lithium-ion battery packs. Batteries are charged through use of AC adapter or optional external charging station. Battery: Lithium-ion. Capacity: 14.4V/7.5 Ah, 108W. Cell: 3x4 2500mAh. Dimensions: 6.5" x 4.2" x 0.825" Weight: 1.43 lbs (650g). AC Adapter Input: 100 ~ 240 VAC, 50 ~ 60 Hz, 4.0A. AC Adapter Output: 24 VDC, 9.2 A, 220 watt max.

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MPC-1000A System Configuration with Quad-Core CPU

Typical Build-to-order System with Intel Core i5 2405S Processor

<i>Motherboard</i>	LGA 1155 mini-ITX motherboard.
<i>CPU</i>	Intel Core i5-2405S quad-core, Sandy Bridge 2.5GHz processor.
<i>Chipset</i>	Intel Z68 chipset.
<i>Main Memory</i>	4 GB DDR3-1333 RAM in two 240-pin modules. Up to 16 GB support.
<i>Graphics</i>	Intel HD Graphics 3000, supports Intel® HD Graphics Built-in Visual.
<i>LAN</i>	One Gigabit LAN 10/100/1000 Mb/s.
<i>Storage</i>	One 320GB SATA-300 hard drive installed in the removable tray. One slim-type DVD burner. Onboard SATA: 2x SATA 3.0 Gb/s connectors 2x SATA 6.0 Gb/s connectors Support RAID (RAID 0, RAID 1, RAID 10, RAID 5, Intel Rapid Storage and Intel Smart Response Technology), NCQ, AHCI and Hot Plug functions.
<i>Audio</i>	7.1 CH HD Audio with content protection.
<i>External Panel I/O</i>	1x PS/2 Keyboard Port 1x D-Sub Port 1x DVI-D Port 1x HDMI Port 1x Optical SPDIF Out Port 4x Ready-to-Use USB 2.0 Ports 1x eSATA2 Connector 2x Ready-to-Use USB 3.0 Ports 1x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED) HD Audio Jack: Rear Speaker/Central/Bass/Line in/Front Speaker/Microphone
<i>Expansion Slots*</i>	1x PCI-Express x16 slot through a plugin riser card.
<i>Operating System</i>	Supports 32-bit and 64-bit Microsoft Windows 7 operating systems.
<i>Accessories</i>	220 watt AC adapter. Travel case with wheels. Shoulder strap.



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