

MPC-9000 Portable Workstation

Self-Contained Portable Computer with ATX Form-factor System Board

Features

- » *Rugged and expandable portable computer supporting ATX form-factor motherboards.*
- » *Configurable with latest Intel or AMD dual-core processors.*
- » *PCI and PCI-Express slots for add-on cards.*
- » *15.4" standard or 17" upgrade active matrix flat panel display.*
- » *Four drive bays for hard drive and optical read/write devices.*
- » *Fold-down keyboard with pointing device.*
- » *400-watt ATX power supply.*

Self-contained Portable CompactPCI Solution

The MPC-9000 is a compact, self-contained portable computer ruggedized for mobile applications. The system enclosure is constructed of aluminum alloy, and corner rubber bumpers adds to its protection against bumps and shock.

The enclosure features a 15.4-inch or 17-inch active matrix flat panel display, fold-down keyboard, touchpad mouse, four drive bays and a 400-watt ATX power supply. Internally, there is room for an ATX form-factor motherboard. A fully configured MPC-9000 provides a totally integrated portable system ready to be deployed in industrial environments such as telecom field service, data acquisition and test applications.

There is a durable, rubber-clad carrying handle on the top that makes carrying the system easy. A padded carrying case with wheels and telescopic handle is included for long-distance transportation of the system.

Expandable and upgradable system features

MPC-9000 is designed to take advantage of commercial-off-the-shelf components for its substantial expansion and upgrade capabilities. The motherboard supports current dual-core processors from Intel or AMD. There is PCI-Express x16 slot for upgrading graphics card when you need to run graphics intensive applications. SATA and RAID interfaces give you the options of high data read/write speed and fault-tolerance. And four available drive bays lets you assemble your system with multiple hard drives RAID configuration.



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System Chassis Specifications

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| | Portable Chassis |
| <i>Chassis Construction</i> | Portable chassis constructed of aluminum alloy. Integrated flat panel display and fold-down keyboard. Rubber bumpers on corners. Rubber-clad carrying handle. Tilt-up feet under chassis and keyboard. Built-in speaker. |
| <i>Integrated Display</i> | 15.4" TFT LCD, 1280 x 1024 optimum resolution standard, 240 cd/m ² , 250:1 contrast ratio, 40 ms response time. 17" TFT LCD upgrade, 1280 x 1024 optimum resolution, 250 cd/m ² , 350:1 contrast ratio, 35 ms response time. |
| <i>Keyboard</i> | Fold-down 108-key keyboard with positive tactile feedback key-switches. Integrated touchpad pointing device. |
| <i>Cooling</i> | One 6 cm intake fan with filter (25.5 CFM), one 8 cm (29.9 CFM), two 5 cm, two 4 cm (5.7 CFM) exhaust fans. |
| <i>Dimensions</i> | 17.2" (W) x 13.4" (H) x 9.3" (D). |
| <i>Weight</i> | Approximately 35 lbs. with CPU board and hard drive. |

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| | Electrical and Power |
| <i>Input AC</i> | 100 ~ 240 V @ 50 ~ 60 Hz, full range (PFC). |
| <i>Output</i> | 400 watt ATX power supply standard, upgradable to 450, 550 watt power supplies. |

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| | Environmental and Safety |
| <i>Temperature</i> | Operating 0~50°C (32~122 °F); non-operating -20~60°C (-4~140 °F) |
| <i>Humidity (non-condensing)</i> | Operating: 5~95% @ 40°C. |
| <i>Shock</i> | Operating: half-sine wave @ 15 G, 11 ms duration on $\pm x$, $\pm y$, $\pm z$ directions, 3 times per face, @ 20°C, 65% RH. Non-operating: half-sine wave @ 50 G, 11 ms duration on $\pm x$, $\pm y$, $\pm z$ directions, 3 times per face, @ 20°C, 65% RH. |
| <i>Vibration</i> | Operating: 20-60 HZ, 0.075 mm sine wave sweep in XYZ directions for 0.5 hrs @ 20°C, 60% RH. Non-operating 10-50 Hz, 0.15 mm sine wave sweep in XYZ directions for 0.5 hrs. @ 20°C, 60% RH. |
| <i>EMI/Safety</i> | CE, UL, FCC. |

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Base System Configurations

Base System Configuration with Intel Pentium D Processor

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| <i>System Chassis</i> | MPC-8000 portable chassis with 15" XGA LCD monitor. |
| <i>LGA 775 CPU</i> | Pentium D processor 930 Sequence. LGA 775 motherboard for Intel® processor Pentium D, Celeron D & Pentium4; Intel® EM64T / EIST / Hyper-Threading Technology |
| <i>Chipset</i> | Intel 945G; Intel ICH7 DH; Support Intel Viiv™ Technology. |
| <i>Main Memory</i> | 1 GB DDR2 533 RAM in two 512 MB 240-pin modules. Two open sockets for additional memory. |
| <i>Graphics Controller</i> | Integrated Graphics (Intel Graphics GMA 950). Upgradable with PCI-Express graphics card. |
| <i>LAN</i> | Intel 82573L Gigabit Ethernet. |
| <i>Hard Drive Controller</i> | 1 x UltraDMA 100/66/33; 4 x Serial ATA 3Gb/s; RAID 0, RAID 1, RAID 5, RAID 10; Support Intel Matrix Storage technology |
| <i>Audio</i> | Realtek ALC 882, 8-ch High Definition Audio CODEC; S/PDIF out interface Jack-Sensing & Enumeration Multi-Streaming |
| <i>External Panel I/O</i> | 1 x Serial; 1 x Parallel; 1 x VGA; 1 x PS/2 Keyboard + 1 x PS/2 Mouse; 1 x 8-Channel Audio I/O; 1 x RJ45; 4 x USB |
| <i>Internal I/O Connectors</i> | 2 x USB connector supports additional 4 USB ports; 24-pin ATX Power connector; 4-pin ATX 12V Power connector; CD audio in Front panel audio connector; Chassis Intrusion; CPU FAN, Chassis FAN, Power FAN connectors; S/PDIF out connector |
| <i>Expansion Slots</i> | 1 x PCI-E x 16, 1 x PCI-E x 1, 2 x PCI |