MPC-1730 TripleView
All-in-one Three-Monitor Portable Workstation

Features

» *Build-to-order ruggedized portable workstation.*

» *Supports Commercial-off-the-shelf ATX motherboards, Intel multi-core processors, and PC components.*

» *Up to 32GB of main memory.*

» *PCI and PCI-Express slots for add-on cards.*

» *Three wide-screen 17.3" LCDs, 1920x1080 resolution per screen.*

» *Extends Microsoft Windows for three 1920x1080 screens, or work with extended screen of 5760x1080 resolution using NVidia Surround (2D) technology.*

» *Multiple drive bays for data storage devices—up to seven 2.5" hard disk drives.*

» *Fold-down keyboard with touchpad pointing device.*

» *650-watt ATX power supply standard, upgradable to 850 watts.*

» *Includes towing case with wheels.*

The MPC-1730 is designed to take advantage of COTS (commercial-off-the-shelf) PC components for its substantial expansion and upgrade capabilities. It delivers workstation-class performance with multi-core processor, NVidia SLI graphics, up to 32GB of main memory, and more than 4TB of storage. Three full HD LCD screens supports multiple Windows desktop or extended resolution.

The system enclosure is constructed of aluminum alloy for durability. Corner rubber bumpers adds to its protection against bumps and shock. A padded towing case with wheels and telescopic handle is included for long-distance transportation of the system. A fully configured MPC-1730 workstation provides a totally integrated portable system ready to be deployed in industrial environments such as video monitoring, data acquisition and test applications.

MPC-1730 TripleView
System Enclosure Specifications

System Enclosure

Chassis Construction	Aluminum alloy chassis.
	Internal space supports ATX, Micro-ATX, Mini-ATX form-factor motherboards.
	Rubber bumpers on corners.
	Rubber-clad carrying handle.
	Tilt-up feet under chassis and keyboard.
	Built-in speaker.
Integrated Display	Three 17.3" LCD monitors with LED backlight. 1920x1080 resolution per screen.
	Independently adjustable monitor brightness, contrast.
	Backlight on/off switch for each screen.
Storage Bays	1x 5.25" externally accessible drive bay. May be used for 4x 2.5" removable hard drive cage.
	1x 2.5" removable drive bay.
	2x 2.5" internal hard drive mounts.
	2x internal 3.5" drive bay.
	1x slim-type optical disk drive bay.
Add-on Card Support	Chassis supports up to seven expansion cards.
	Number 1 slot* supports expansion card length up to 8.25"
	Number 2 ~7* slot positions support expansion cards up to 13.3"
Keyboard	Fold-down keyboard with touchpad pointing device.
Cooling	Two 120mm case fans with filter.
Dimensions	17.25" (W) x 14.0" (H) x 9.5" (D) with LCD panels closed.
	47.625" (W) x 14.0" (H) x 9.5" (D) with left and right LCD panels open.
Weight	Approximately 35 lbs. with motherboard, hard drive, and power supply installed.

Electrical and Power

Input AC	100 ~ 240 V @ 50 ~ 60 Hz, full range (PFC).
Output	650 watt ATX power supply standard, upgradable to 850 watt power supplies.

* In most ATX form-factor motherboards, a x1 PCI-Express slot is usually located in the number 1 location. Number 2 ~ 7 slot locations are usually occupied by x16, x8, x4 PCI-Express, or PCI slots. Available slots for add-on cards depends on specific motherboard and system configuration.

1. 5.25" drive bay. Illustration shows hard drive cage of 4x 2.5" removable hard drives installed in this drive bay.
2. Input/output panel.
3. Expansion slots. Illustration shows two NVidia video cards installed.
4. Removable 2.5" hard drive bay.
5. Slim-type optical disk drive bay.

MPC-1730 TripleView
System Configuration with Quad-Core CPU

Typical Build-to-order System with Intel Core i5 2500K Processor

Display	MPC-1730 portable chassis with three 17.3" LCD monitors.
	1920x1080 resolution per screen.
CPU	Intel Core i5 2500K quad-core processor.
Chipset	Intel P67 chipset (B3).
Main Memory	8GB DDR3 SDRAM in two 4GB 240-pin DIMMs.
	Up to 32GB with 4x 8GB DIMMs.
Graphics Card	Dual NVidia PCI-Express video card with 1GB video RAM each; SLI mode enabled.
LAN	Realtek RTL8111E PCI-Express x1 Gigabit Ethernet Controller, Supports Wake-on-Lan.
Hard Drive Controller	4x SATA2 ports support RAID 0/ 1/ 5/ 10.
	3x SATA3 ports, two of which support RAID 0/ 1/ 5/ 10.
	1x SATA3/eSATA3 combo port.
Audio	Realtek ALC892 7.1-Channel HD audio CODEC, supports THX TruStudio PRO & premium Blu-ray audio.
External Panel I/O	12x USB 2.0 Ports (6 rear, 6 by headers).
	4x USB 3.0 Ports(2 rear, 2 by headers).
	1x eSATA3 Port.
	2x PS/2 Ports.
	2x IEEE 1394 Ports (1 rear, 1 by header).
	1x Coaxial.
Expansion Slots*	3x PCI-Express 2.0 x16 slots on board (one slot available for add-on card; 4-lane electrically).
	2x PCI-Express 2.0 x1 slots on board (two slots available for add-on card).
	2x PCI slots (one slot available).
Operating System	Supports 32-bit and 64-bit Microsoft Windows 7 operating systems.
*	Available slots when two double-width video cards are already inserted into x16 PCI-Express slots.