



## MCC Computer Company

### Modular Product Line

#### Product Name: Modular Personal Computer (MPC 004)

##### Base Model:

1.06 GHz Intel Core™ 2 Duo U7500 Ultra Low Voltage (ULV) Processor, Intel 945GME Express Chipset, 1GB DD2 SDRAM, 30GB HDD.

##### Description:

The Modular PC is a standard motherboard computer enclosed in a small aluminum case which is 5.34" long, 3.12" wide, 0.86" thick. It houses a full PC with a 1.06 GHz Intel Core 2 Duo Processor, up to a 30GB Hard Drive, 1GB DDR2 SD RAM, and **Windows XP Embedded Platform™** operating system.



### Product Highlights

- **Productivity & Power for the Mobile Professional:** The Modular PC combines a fast, power efficient processor with a large hard drive to enable the mobile user to carry and access all desktop applications and data, wherever needed.
- **Modularity:** The Modular PC provides desktop computer power in a size that fits easily into a shirt pocket. The modularity enables it to be used anywhere and anytime in a broad range of computing environments with any compatible dock or module. The modular architecture allows for limitless downstream peripherals and applications.
- **Connectivity:** The Modular PC provides the standard port support of a typical laptop including USB, VGA, digital video, PCMCIA, etc. This enables a single Modular PC to support diverse computing environments ranging from desktop, to handheld, to wearable, to industrial and embedded applications. The PC Card and USB ports enable support for the broadest range of 3<sup>rd</sup> party wireless cards and phones.
- **Dynamic Connection Architecture:** New to the Modular PC, DCA enables the signals coming from the Modular PC docking connector to vary by what it is plugged into. This insures an extremely long lifespan and roadmap for the Modular PC.
- **Complete Platform:** The Modular PC can come pre-loaded with all the utility software needed for a productive mobile experience, including handwriting recognition and an on-screen Qwerty keyboard.
- **Stability:** The Modular PC offers customers a stable platform and long product lifecycles to reduce total cost of ownership (TCO). By separating the Modular PC from the modules, these can be upgraded separately greatly reducing TCO. And the DCA assures interoperability for years to come.

### System Characteristics

#### Processor

- Intel Core™ 2 Duo U7500 at 1.06 GHz
- Intel® 64 Architecture
- Primary 32KB instruction cache and 32KB write-back data cache
- 2MB L2 Cache with FSB speeds of 533 MHz
- Low power consumption.
- Thermal Design power of 10 watts.

#### Memory

- 1GB DDR2 SDRAM ( Upgradable to 2 GB)
- 667 MHz clock speed
- 200 pin SODIMM

#### Mass Storage

- 30GB Hard Drive ( Upgradable to SSD)
- 15ms or faster access speed (varies by drive size)
- 500G operating shock rating
- 1500G non-operating shock rating.

#### Graphics

- Intel 945GME Express Chipset
- Max Memory of 4 GB
- Outputs VGA, SDVO and LVDS
- Processing Units to Control 3D and 2D engines

#### Sound

- RealTek 2 Channel AC'97 2.3 AUDIO CODEC

#### Ports Compatible

- Dynamic Connection Architecture
- Analog VGA
- Low Voltage Differential Signaling (LVDS)
- High speed USB 2.0
- Card Bus
- Microphone In
- Stereo Line Out
- Power In, 7.5 to 18 Volts DC
- Low Pin Count (supporting Serial and PS2)

**BIOS**

- Phoenix Platform-Specific Bios for Intel Core™ 2 Duo U7500 Processor and Modular PC

**Physical Description**

- Dimensions: 5.34" (137 mm) long, 3.12" (80mm) wide, 0.86" (22mm) thick
- 12.5 oz (350gms) weight
- Aluminum case

**Operating System Support**

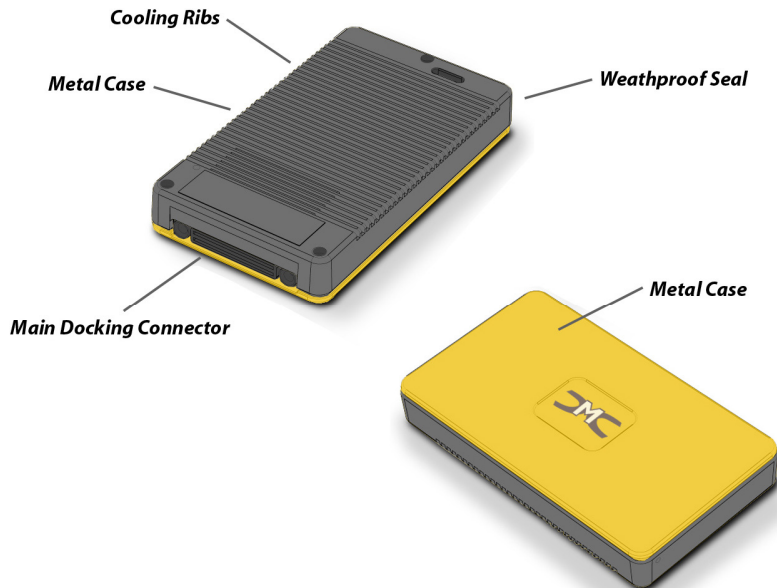
- Microsoft Windows XP Embedded Platform™

**Environmental Specifications**

- **Shock:**
  - Operating: 200G
  - Non-Operating: 1000G

**Power Requirements**

- **Voltage:**
  - 7.5 to 18 Volts DC acceptable input range
- **Wattage:**
  - 5.6 Watts (Windows Idle) to 11.2 Watts (Norton System Scan). Sample data only. Actual results will vary based on configuration and implementation.



# Modular PC Part # MPC 004

