



# MPC-10W5

## Fanless Intel® Atom™ D510 10.2" Digital Signage Touch Panel PC with Intel® ICH8-M Chipset



### Features

- 10.2" WSVGA Digital Signage Touch Panel PC
- Onboard Intel® Atom™ D510 Dual-Core 1.66GHz CPU and ICH8-M Chipset
- Onboard 1GB DDR2 SDRAM, 5-wire Resistive Touch Controller
- Intel® Gigabit Ethernet, 5.1-CH Audio, 2W AMP
- 1 CF, 1 COM, 2 USB
- Optional 1.3M Camera, WiFi Module, Mini PCIe
- Front Panel IP-65 Certified
- Fanless System & VESA Compliance
- +12 ~ 28V Wide Voltage Input, ErP Power
- 2.5" HDD Support (7+15 SATA)
- Full Aluminum Design for 1.22kgs Only

|       |               |        |              |       |
|-------|---------------|--------|--------------|-------|
| Atom™ | Intel® ICH8-M | 2W AMP | CF           | 1 COM |
| 2 USB | Fanless       | VESA   | Touch Screen |       |

### Specifications

#### Panel

|                      |                                |
|----------------------|--------------------------------|
| • LCD Size           | 10.2", 17:10                   |
| • Resolution         | 1024 x 600                     |
| • Pixel Pitch        | 0.21525mm (H) x 0.21525mm (V)  |
| • Luminance          | 250cd/m <sup>2</sup>           |
| • Contrast Ratio     | 500                            |
| • Viewing Angle      | 50 (U), 60 (D), 70 (L), 70 (R) |
| • Response Time      | 25ms                           |
| • Backlight          | LED Backlight                  |
| • Touch Type         | 5-wire Resistive               |
| • Light Transmission | 80%                            |
| • Touch Interface    | USB                            |

#### System

|                      |   |
|----------------------|---|
| • Board              | EBM-PNV   |
| • CPU                | Onboard Intel® Atom™ D510 Dual-Core 1.66GHz CPU                                       |
| • BIOS               | Award 8Mbit Flash BIOS  |
| • System Chipset     | Intel® ICH8-M   |
| • I/O Chip           | ITE IT8712F   |
| • System Memory      | Onboard 1GB DDR2, One 200-pin DDR2 SODIMM Supports Up to 3GB 667 SDRAM (1GB Per Bank) |
| • SSD                | One CF Socket by IDE Secondary Slave Channel Supports Type I/II Compact Flash Card    |
| • Hard Driver Bay    | 1 x 2.5" SATA HDD   |
| • WiFi               | Optional USB WiFi 802.11b/g   |
| • Watchdog Timer     | Reset: 1sec. ~ 255min. and 1sec. or 1min./step  |
| • H/W Status Monitor | Monitoring System Temperature, Voltage with Auto Throttling Control                   |

#### External I/O

|               |                      |
|---------------|----------------------|
| • Serial Port | 1 x RS-232/ 422/ 485 |
| • Ethernet    | 2 x RJ-45            |
| • VGA         | 1 x DB-15            |
| • Audio Port  | Line-out             |
| • USB         | 2 x USB 2.0          |
| • Speaker     | 2 x 2W Speaker       |
| • Others      | 1 x LPT (Option)     |

#### Audio

|                   |                                      |
|-------------------|--------------------------------------|
| • AC97 Codec      | Realtek ALC888 Supports 5.1-CH Audio |
| • Audio Interface | Mic-in, Line-in, Line-out            |

#### Ethernet

|                      |  |
|----------------------|--|
| • LAN Chip           | Intel® 82574L Gigabit Ethernet (Optional 2nd 82574L Gigabit Ethernet ) |
| • Ethernet Interface | 10/ 100/ 1000 Base-Tx Gigabit Ethernet Compatible                      |

#### Mechanical & Environmental

|                         |  |
|-------------------------|--|
| • Color                 | Front & Rear Panel Black                   |
| • Mounting              | Wall/ Stand/ VESA 75mm x 75mm              |
| • Power Input           | 100 ~ 250Vdc/ 47 ~ 63Hz                    |
| • Power Output          | +12Vdc/ 5A (60W)                           |
| • Power Type            | AT/ ATX                                    |
| • Operating Temperature | 0 ~ 50°C (32 ~ 122°F)                      |
| • Storage Temperature   | -20 ~ 75°C (-4 ~ 167°F)                    |
| • Operating Humidity    | 5% ~ 90% Relative Humidity, Non-condensing |
| • Dimension (W x D x H) | 252.8mm x 190mm x 44.4mm                   |
| • Weight                | 1.22kgs                                    |

### Ordering Information

- **MPC-10W5-A1T**  
Fanless Intel® Atom™ D510 10.1" Digital Signage Touch Panel PC with Intel® ICH8-M Chipset
- **MPC-10W5C-A1T**  
Fanless Intel® Atom™ D510 10.1" Digital Signage Touch Panel PC with Intel® ICH8-M Chipset and 1.3M camera