

WCHPC1500A-SIP

15" Intel Atom Full IP65 Fanless Panel PC



FEATURES:

- Slim, Rugged, Sealing Enclosure with All sides of IP65(W/RES TOUCH)Certified
- Stainless steel enclosure
- True Fanless design for 0~40°C operation temperature
- Supports PCI Slot (Optional)
- Wide operating temperature range with smart fan solution
- IR touch screen with toughened glass
- User Friendly Button Control on Front Bezel
- Supports 802.11 b/g Wireless Solution (Optional)
- User Friendly Button Control on Front Panel
- RoHS compliance



| System | |
|---------------------------------|--|
| CPU | Intel Atom N270 1.6 Ghz |
| FSB | 533MHz |
| Chipset | Inter@ 945GSE chipset + ICH7M |
| BIOS | Award BIOS, ACPI supported |
| VGA | Intel Generation 3.5 integrated GFX Core(133 MHz) on board |
| Audio | Realtek ALC286 Audio Codec, 2+2 watts power amplifier |
| LAN | Marvell 88E8071 Gigabit Ethernet x 2 |
| Memory | One DDR2 SODIMM socket supports up to 2GB |
| I/O | ICH7M |
| Serial ATA | Port x 1 with 150 MB/s transfer rate x 1 |
| USB | 7 USB 2.0 ports (External '4 .internal'3) |
| COM | External x3. internal x2 |
| WDT | Generates system reset; 256 segments |
| Hot key | Function can be Enable/Disable in Windows |
| LCD Panel | |
| Size | 15" |
| Resolution (pixel) | XGA(1024x768) |
| Active Area (mm) | 304.1 x 228.1 |
| Pixel Pitch (mm) | 0.29/ |
| Viewing Angle (HA) | 140/120 |
| Brightness (cd/m ²) | 350 |
| Contrast Ratio | 700:1 |
| Response Time (ms) | 8 |
| LCD Life Time (hrs) | 50000 |

| Touch Panel | | |
|--------------------|--------------------------|-------------------------|
| Type | 5-wire, analog resistive | IR touch |
| Light Transmission | 73%-85% | 92%-100% |
| Lifetime | 35 million activations | 500 million activations |

| Storage | |
|---------|--|
| HDD | 2.5" SATA HDD drive bay x 1 (with anti-vibration mechanism) |
| CF | 1 x bootable Compact Flash slot for CF type I/II storages (Optional CF card) |
| DOM | 44PIN 180Dx 1 (PCI card and DOM can't be in machine at the same time) |

| Expansion | |
|-----------------|-------------------------|
| On mother board | |
| PCIx1 | PCI Slot x 1 (optional) |
| Mini-PCI | Mini-PCI-e X 1 socket |

| I/O Connectors | |
|-----------------|---|
| On mother board | |
| VGA | DB-15x1 |
| Audio Jack | Triple (3x1) phone jack connector (Line-in, Line-out, and Mic-in) |
| USB | USB 2.0x4 |
| COM | DB-9x3 |
| KB/Mouse | PS/2 Connector x2 for keyboard/mouse |
| LAN | RJ45 x2 for Gigabit Ethernet |

| External I/O | |
|--------------|--------------------------------------|
| USB | USB 2.0x2 |
| COM | DB-9x2 |
| KB/Mouse | PS/2 Connector x1 for keyboard/mouse |
| LAN | RJ45 x1 for Gigabit Ethernet |

| Power | |
|------------------------|--|
| Power | DC-In connector x 1 |
| In Front Bezel Control | Power Button On/Off LCD Button On/Off Brightness Up/Down |
| LED indicator | Green Power On/off Red: HDD status |
| Power Input | DC12V-28V |
| Power Adapter | AC 90 - 264V / 47 - 63 Hz / DC input 12V |

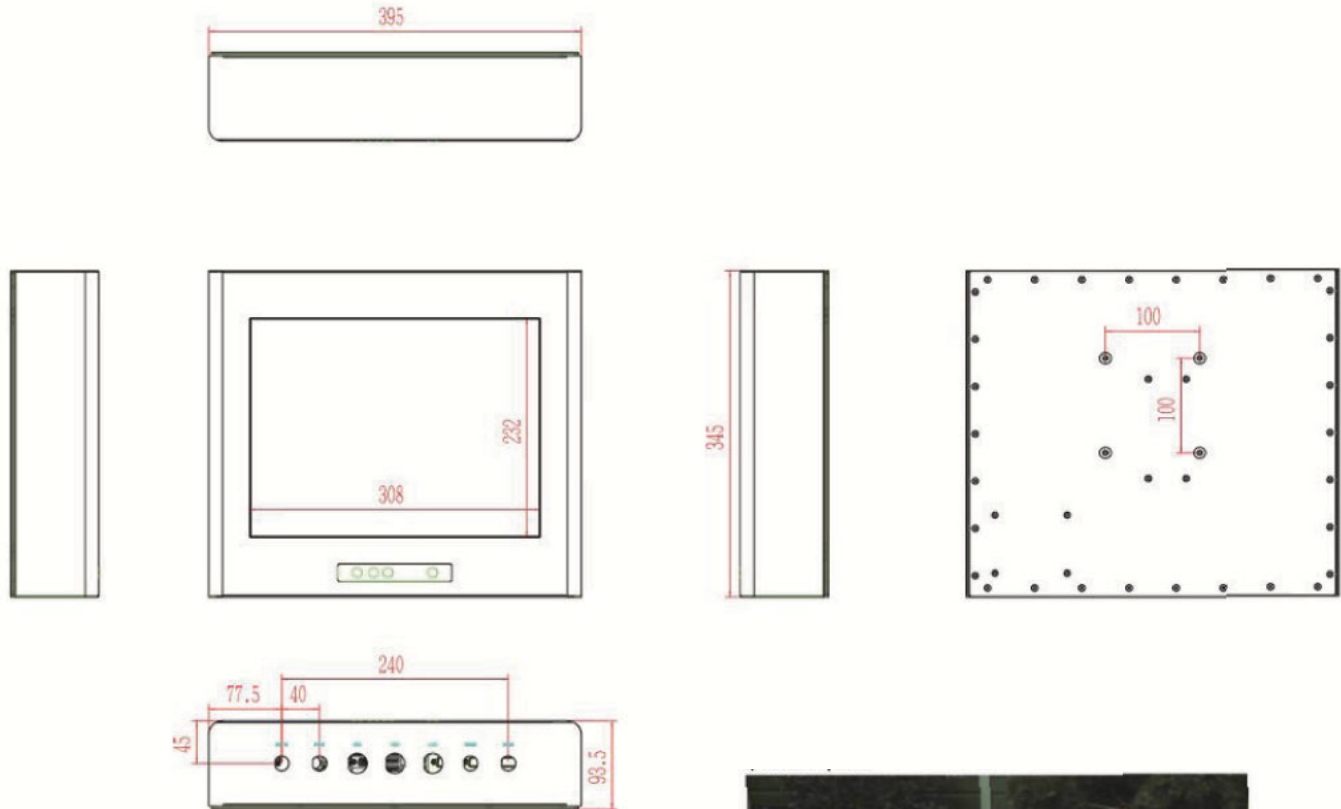
| Mechanical & Environmental | |
|---|--|
| IP65/NEMA4 connectors x 7 | |
| Default: a.Power x1, b.USB x2, c.PS2 x1, d.COM x2P e.LAN x1 | |
| Customization: By request | |



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MECHANICAL DRAWING:



| Mechanical and Environmental | |
|-------------------------------------|--|
| Construction | Stainless steel enclosure <besides hot key section> *SUS304 standard, SUS316 optiona |
| Operation Temperature | 0-40 C (fanless) 0-50 C (fan) with wide temperature range HDD or CF Drive |
| Storage Temperature | -20~65 C |
| Operation Relative Humidity | 10%-90%, non-condensing |
| Storage Relative Humidity | 10%-90%, non-condensing |
| Dimension | 395x345x93.5 |
| Net Weight | 9KG(W/RES touch) |
| Gross Weight | 13 kg |
| Mounting | VESA Mount 100 x 100 |
| Regulations | FCC-A, CE, VCCI, UL/cUL |

