

WCHPC1200A-SIP

12.1" Intel Atom Full IP65 Fanless Panel PC



FEATURES:

- Stainless steel enclosure
- True Fanless design for 0~40°C operation temperature
- Supports PCI Slot (Optional)
- Wide operating temperature range with smart fan solution
- Sun-light Readable Display with Low Reflection Touch Panel(Optional)
- Supports 802.11 b/g Wireless Solution (Optional)
- User Friendly Button Control on Front Panel



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

LCD Panel	
Size	12.1"
Resolution (pixel)	SVGA (800x600)
Active Area (mm)	246.0x184.5
Pixel Pitch (mm)	0.3075x0.3075
Viewing Angle (HA)	160/110
Brightness (cd/m ²)	400
Contrast Ratio	500:1
Response Time (ms)	35
LCD Life Time (hrs)	50000

Touch Panel		
Size	12.1"	12.1"
Type	5-wire	8-wire
	RES touch	Low reflection RES touch
Light Transmission	83%	74%
Mohs	3H	3H
Lifetime	35 million activations	2 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
Front Bezel	Indicator/ Hot Key (Power Button//LCD Button// brightness +/-)
Front LED color	Power: Green / Red: HDD accessing
Power Input	DC12V-28V
Power Adapter	AC 90 - 264V / 47 - 63 Hz / DC input 12V

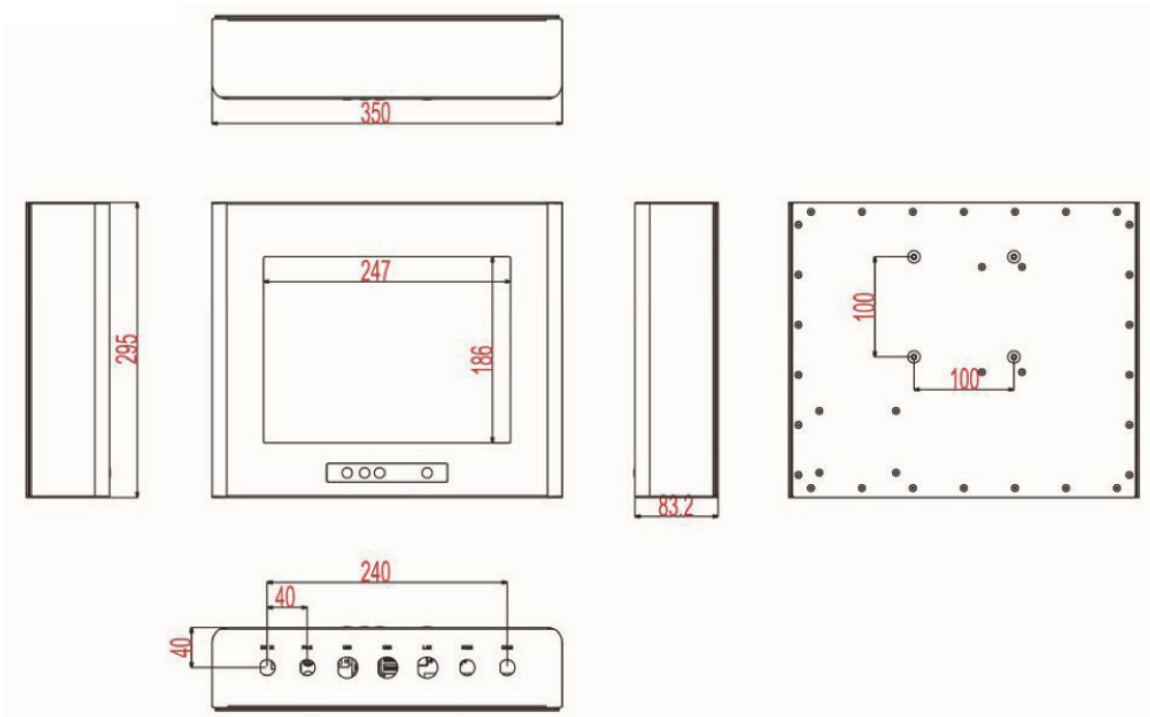
Mechanical & Environmental	
IP65/NEMA4 connectors x 7	
Default: a.Power x1, b.USB x2, C.PS2 x1, d.COM x2, e.LAN x1	
Customization: By request	



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MECHANICAL DRAWING:



Mechanical and Environmental	
Construction	Stainless steel enclosure *SUS304 standard, SUS316 optional
Operation Temperature	0-40°C (Fanless) 0°C ~50°C(Fan) with wide temperature range storage
Storage Temperature	-30~85eC
Operation Relative Humidity	10%-90%, non-condensing
Storage Relative Humidity	10%-90%, non-condensing
Dimension	350x295x83.2 mm
Weight	7.2 kg
Mounting	VESA Mount 100/100
Shock	Operating: 15g/0.53 oz, 11 ms, half sine wave Non-operating: 50g/176 oz, 11 ms, half sine wave
Vibration	Operating: 5 - 17Hz, Amplitude : 0.1", 17~500Hz, Acceleration *LOG
Drop test w/ packing	3 feet height free drop
Regulations	FCC-A, CE, VCCI, UL/cUL