

WLP-7822-12

12" Intel Atom N270 Fanless & Slim Panel PC



Features

- Very Low Power and True Fan less Thermal Solution
- The Slimmest Model in Its Kind
- IP65 / NEMA4 Water / Dust Proof Front Bezel
- Built in HDD Anti-vibration Module
- Supports 802.11b/g Wireless Solution (Optional)
- Giga LAN / CF / Mini-PCI-E / VGA / Audio / USB2.0 / COM interfaces
- RoHS compliance
- Support Windows XP and Windows 7



System

CPU	Intel / BGA / Atom N270 1.6 GHz
FSB	533 MHz
Chipset	Intel ® 945GSE + ICH7M
BIOS	Award BIOS , ACPI supported
VGA	Intel Generation 3.5 integrated GFX Core (133 MHz) on board
Audio	Realtek ALC286 codec , 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x1
Memory	One DDR2 SODIMM socket supports up to 2GB
I/O	ICH7M
Serial ATA	Port X 1 with 150 MB/s transfer rate x1
USB	4 USB 2.0 port
COM	3 External COM port
WDT	Generates system reset; 256 segments, 0, 1, 2...255 sec.

LCD Panel

- Size: 12.1"
- Active area: 246 x 184.5 (mm x mm)
- Resolution (pixel): SVGA (800 x 600)
- View angle (H/V): R/L 160 (typical), U/D 110 (typical)
- Brightness: 400 nits
- Contrast ratio: 500 : 1
- Backlight: 2 CCFL
- Response time: 35 ms
- LCD life time: 50,000 hours

Touch Panel

Type	3M CAP	5 wire RES
Lifetime	200 million touches	36 million activations
Stylus use (besides finger)	Only very thin latex glove	No Limitation, can use any stylus
Glove use possible	Need special conductive stylus	Any type glove
Light transmittance	91.5%	80±3%
Hardness	Mohs 7	3H

Storage & Expansion

- 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)
Mini PCI Mini PCI-ex1

External I/O

- VGA** DB-15 x 1
DVI-D outputx 1 Share the same place with VGA output, DVI and VGA not simultaneously, LCD display is 18 bits, no display output in DOS mode
Audio Line-in, Mic-in, Line out audio jacks
USB Type A, USB 2.0 x 4
COM DB-9 x 3 (RS-232 x 2, RS-232/422/485 x 1)
LAN RJ-45 x 1 for Gigabit Ethernet

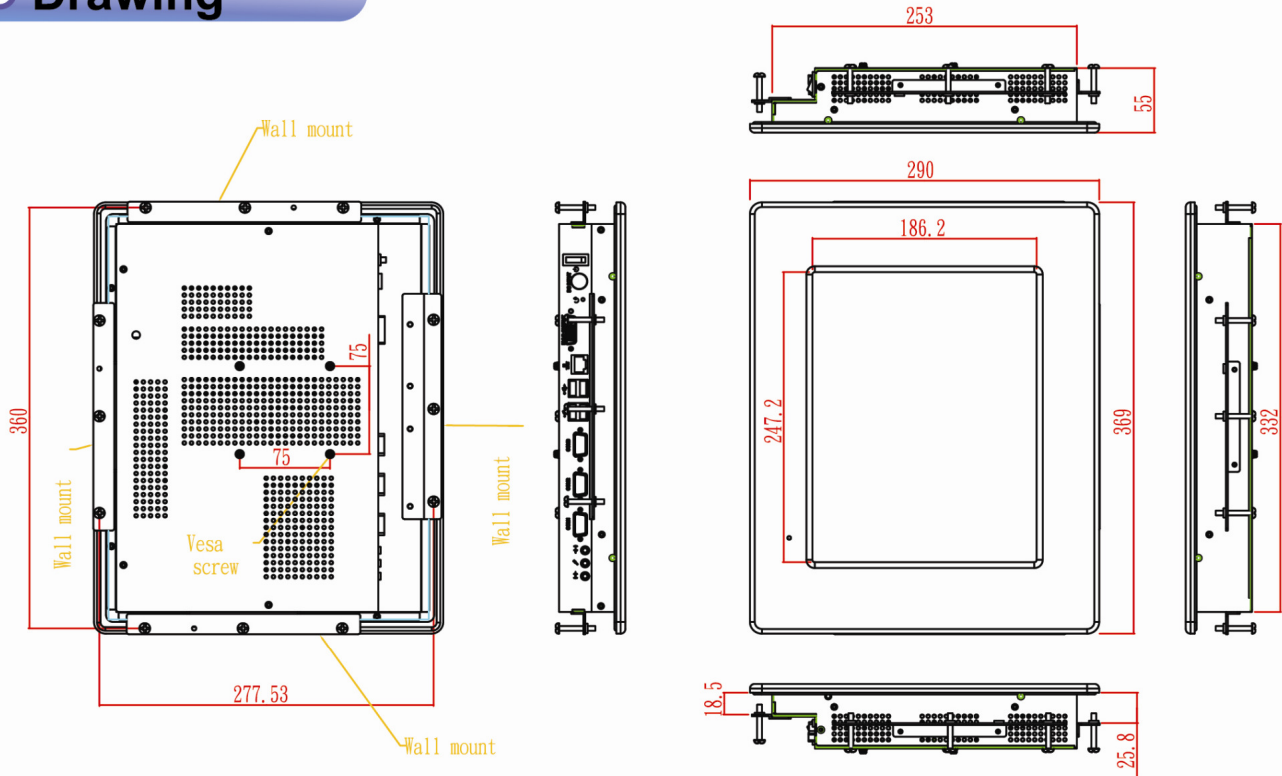
Mechanical & Environmental

- Material construction** Front bezel is Aluminum or SECC
others are SECC enclosure
Front Panel Protection IP65
Aluminum bezel Color Black / Silver
Power Input DC 12V ~ 28V
Power Adaptor AC 90 ~ 264V / 47 ~ 63 Hz / DC output 12V
Operation Temperature 0~50°C (IEC60068-2-56, air flow cooling)
0~40°C (IEC60068-2-2, natural cooling)
Storage Temperature -20°~65 °C
Operation Relative Humidity 10%~90%, non-condensing
Storage Relative Humidity 10%~90%, non-condensing
Dimension (W x H x D) Panel mount: 369(W)x290(H)x55(D) mm
Open frame: 348(W)x268(H)x50.5(D) mm
Shock Operating: 20g, 11ms / Non-operating: 40g, 11ms
Vibration Operating: 5 ~ 500Hz , Acceleration: 1.0G
Non-operating: 5~500Hz / 2.0g
Net Weight 4.5 Kg
Gross Weight 6.5 Kg
Mounting Panel mount/VESA (75x75)

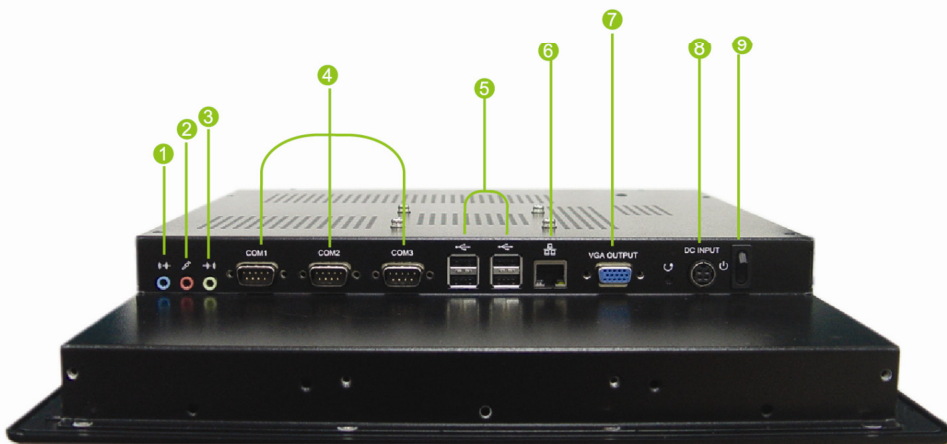
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Drawing



Fully-integrated I/O



- 1. Line in
- 2. Mic in
- 3. Line out
- 4. COM
- 5. USB 2.0
- 6. LAN
- 7. VGA
- 8. DC Power Jack
- 9. Power Switch

Ordering information

WLP-7822-12-BKRT- N270	1.6G / 1G / 160GB
WLP-7822-12-BSRT- N270	1.6G / 1G / 160GB
WLP-7822-12-BKCT- N270	1.6G / 1G / 160GB
WLP-7822-12-BSCT- N270	1.6G / 1G / 160GB
WLP-7822-12-KRT- N270	1.6G / 1G / 160GB