

WLP-7A20-15V

15" Core i Fanless Industrial Panel PC



Key Features

- Fanless industrial panel PC w/ reliable thermal design
- Intel 3rd Generation (Ivy Bridge) Core i5/i7 CPU
- 15" 4:3 XGA 1024x768 300 nits LCD w/ CCFL backlight
- Resistive touch and front IP66 panel mount housing
- Two mini PCIe sockets for WLAN & other add-on expansions
- Robust metal housing and HDD anti-vibration design
- Flexible customization for specific application requests

Storage

HDD 2.5" SATA HDD drive bay x 1 + anti-vibration kit, 320GB / 500GB
Expansion slot Mini PCIe x 2 (52 pin card-edge type)

I/O & Control Keys

USB USB 2.0 x 4
COM DB-9 x 3 (RS232 x 2, RS232/422/485 <w/ auto flow control>)
LAN RJ-45 x 2, Gigabit
Audio Line-out, Microphone-in (3.5 mm phone-jack)
Video-out DVI-I x 1
Power input DC-in x 1, 6V~32V
Control keys · Rear bottom: Power on/off, reset
· Brightness adjustment through Wincomm's SW utility
LED indicator Front: Green – power on / Amber – HDD accessing

Power

Power adaptor External, 60 watts, 90~264V AC in, 12V DC out, 1.2m DC cable
Power consumption 50 watts (typical, without any add-ons)

Mechanical & Environmental

Housing · Standard: Panel mount
· Customization: Open frame & chassis
Housing materials · SECC metal housing (black color)
· Panel mount bezel: Aluminum (black or silver), optional stainless steel
IP rating IP66 – front side (for panel mount housing)
Cooling Fanless w/ internal heat sink / pipe & external aluminum fin plate
Mounting VESA 75 x 75 / 100 x 100 mm
Dimension 398 x 330 x 86 mm (W x H x D, panel mount)
Weight (net) 6.5 Kg (approximate, w/o power adaptor)
Temperature · Operating - 0°C~50°C (w/ air flow) /
- 0°C~40°C (no air flow)
· Storage – -20°C~60°C
Humidity Operating & storage – 10%~90%, non-condensing
Regulatory FCC-A, CE(EMC), VCCI, UL

Main System

CPU · Intel Core i5-3317U 1.7GHz (Dual Core, 3MB cache)
· Intel Core i7-3517U 1.9GHz (Dual Core, 4MB cache)
· Intel Core i3-3217U 1.8GHz (Dual Core, 3MB cache)
· Intel Celeron 847E 1.1GHz (Dual Core, 2MB cache)
· Core i CPU w/ BGA1023 package and 17W TDP
Chipset Intel® BD82HM65 PCH
Graphics · Intel Core i7-3517U /Core i5-3317U /Core i3-3217U: Intel HD Graphics HD 4000
· Celeron 847E: Intel HD Graphics
Memory 8GB maximum, x 2 DDR3 SODIMM, 1066/1333MHz, 2GB/4GB/8GB
Serial ATA SATA2 x 2, 300MB/s transfer rate
USB x 7 (socket), USB 2.0 (x 4 external, x 3 internal)
COM x 6 (x 2 external, x 4 internal)
Audio Realtek ALC262 audio codec, 2+2 watts amplifier
LAN Marvell 88E8071 Gigabit Ethernet x 2
BIOS · AMI BIOS, 4M EEPROM
· RTC wake up / Wake on LAN / Power on after power failure / PnP / ACPI

LCD Panel

Size	15" 4:3
Resolution (pixel)	XGA 1024 x 768
Brightness (cd/m2)	300nit
Contrast	800:1
Number of Colors	16.7M (6-bit x 3 + FRC)
View Angle (H/V)	140 (H) / 140 (V)
Response time	8 ms (R + F)
Backlight /life time	CCFL x 2, 50,000 hours life time

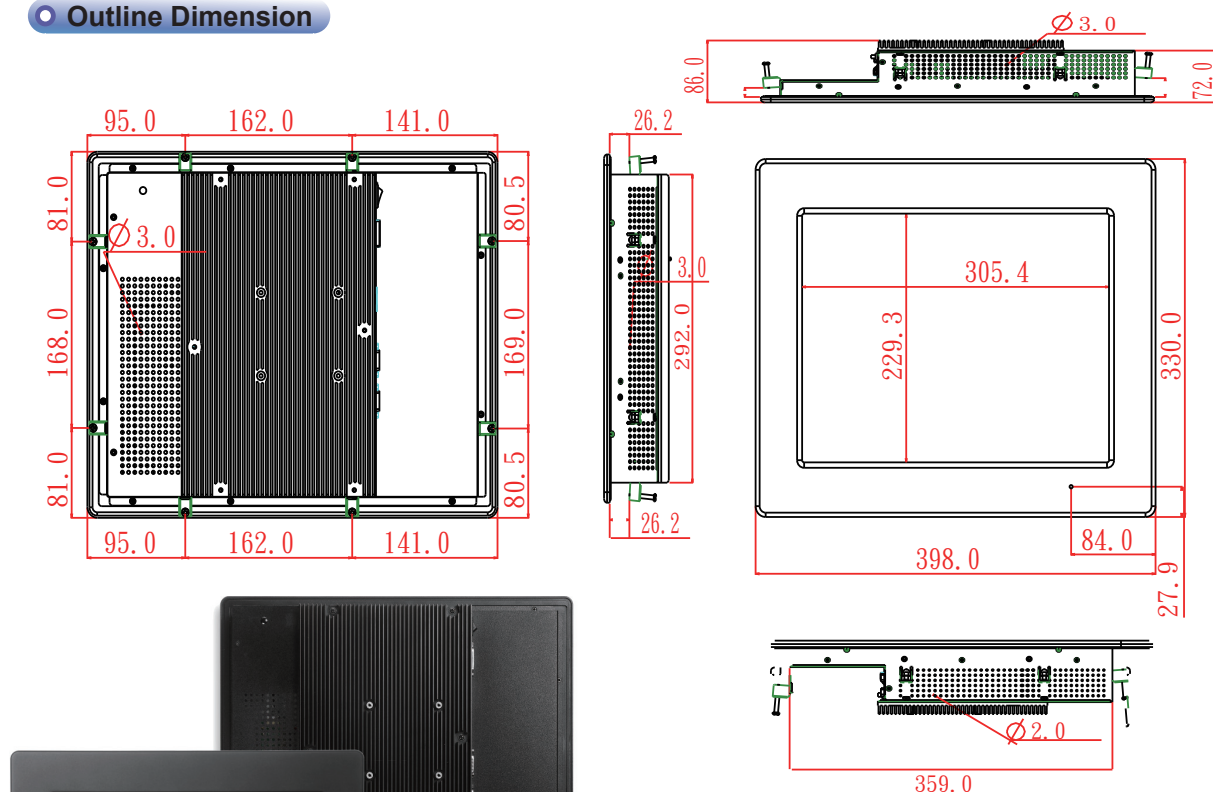
Touch Panel

Technology	Resistive touch, 5-wire
Light transmittance	80±3%
Hardness	3H
Touch stylus	No limitation
Resolution	4096x4096
Lifetime	36 million activations

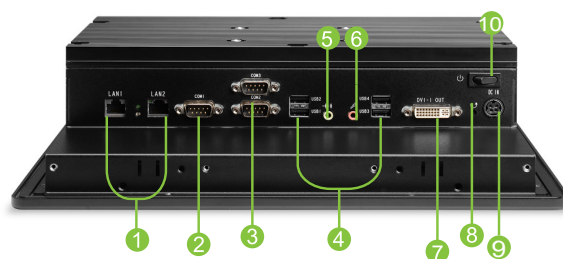
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Outline Dimension



I/O Connectors



Packaging / Options / Customization

Packaging System, power adaptor, AC power cord, CD (drivers & manual)

Options

- . WLAN – 802.11 a/b/g/n mini PCIe module w/ external antenna x 1
- . Stainless steel panel mount bezel
- . Silver color panel mount bezel
- . Change resistive touch to capacitive touch

Customization

- . Open frame housing
- . Chassis type housing
- . TPM module

- | | |
|-----------------|-----------------|
| ① LAN x 2 | ⑥ Microphone-in |
| ② RS232/422/485 | ⑦ DVI-I |
| ③ RS232 x 2 | ⑧ Reset |
| ④ USB x 4 | ⑨ DC-in |
| ⑤ Line out | ⑩ Power on/off |

Ordering Information

- CPU: Core i5 1.7G / Core i7 1.9G / Core i3 1.8G / Celeron 1.1G
- Memory: 2G / 4G / 8G
- HDD: None / 320G / 500G
- Panel mount bezel: Black / Silver / Stainless steel
- WLAN: None / x 1
- Touch: Resistive / Capacitive