

# WLP-7A20-15 V

## 15" Core i Fanless Industrial Panel PC



### Main System

<b>CPU</b>	<ul style="list-style-type: none"><li>Intel Core i5-3317U 1.7GHz (Dual Core, 3MB cache)</li><li>Intel Core i7-3517U 1.9GHz (Dual Core, 4MB cache)</li><li>Intel Core i3-3217U 1.8GHz (Dual Core, 3MB cache)</li><li>Intel Celeron 847E 1.1GHz (Dual Core, 2MB cache)</li><li>Core i CPU w/ BGA1023 package and 17W TDP</li></ul>
<b>Chipset</b>	Intel® BD82HM65 PCH
<b>Graphics</b>	<ul style="list-style-type: none"><li>Intel Core i7-3517U /Core i5-3317U /Core i3-3217U: Intel HD Graphics HD 4000</li><li>Celeron 847E: Intel HD Graphics</li></ul>
<b>Memory</b>	8GB maximum, x 2 DDR3 SODIMM, 1066/1333MHz, 2GB/4GB/8GB
<b>Serial ATA</b>	SATA2 x 2, 300MB/s transfer rate
<b>USB</b>	x 7 (socket), USB 2.0 (x 4 external, x 3 internal)
<b>COM</b>	x 6 (x 2 external, x 4 internal)
<b>Audio</b>	Realtek ALC262 audio codec, 2+2 watts amplifier
<b>LAN</b>	Marvell 88E8071 Gigabit Ethernet x 2
<b>BIOS</b>	<ul style="list-style-type: none"><li>AMI BIOS, 4M EEPROM</li><li>RTC wake up / Wake on LAN / Power on after power failure / PnP / ACPI</li></ul>

### LCD Panel

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

### Touch Panel

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

### 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

<b>HDD</b>	2.5" SATA HDD drive bay x 1 + anti-vibration kit, 160GB / 500GB
<b>Expansion slot</b>	Mini PCIe x 2 (52 pin card-edge type)

### I/O & Control Keys

<b>USB</b>	USB 2.0 x 4
<b>COM</b>	DB-9 x 3 (RS232 x 2, RS232/422/485 <w/ auto flow control>)
<b>LAN</b>	RJ-45 x 2 ,Gigabit
<b>Audio</b>	Line-out, Microphone-in (3.5 mm phone-jack)
<b>Vedio-out</b>	DVI-I x 1
<b>Power input</b>	DC-in x 1, 6V~32V
<b>Control keys</b>	<ul style="list-style-type: none"><li>Rear bottom: Power on/off, reset</li><li>Brightness adjustment through Wincomm's SW utility</li></ul>
<b>LED indicator</b>	Front: Green – power on / Amber – HDD accessing

### Power

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

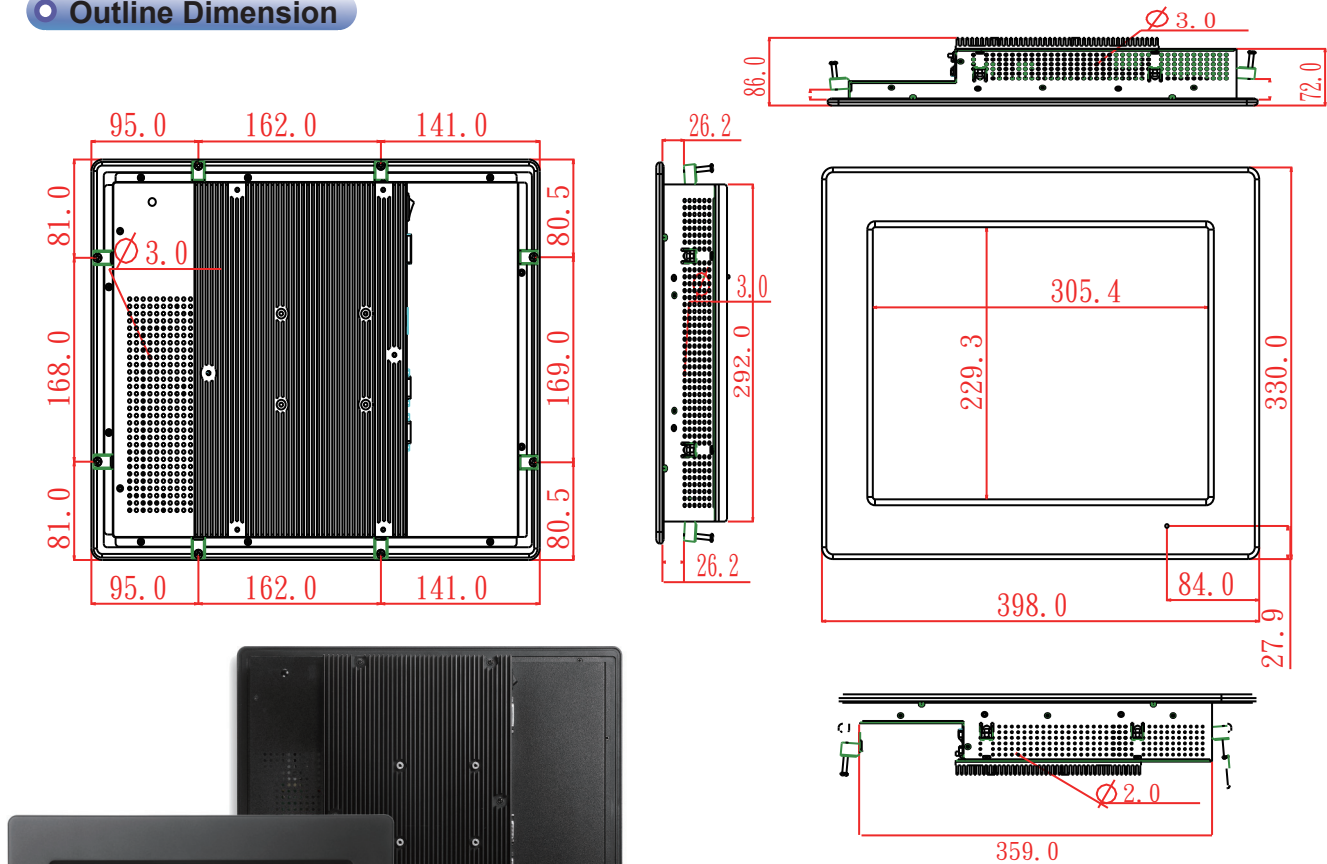
### Mechanical & Environmental

<b>Housing</b>	<ul style="list-style-type: none"><li>Standard: Panel mount</li><li>Customization: Open frame &amp; chassis</li></ul>
<b>Housing materials</b>	<ul style="list-style-type: none"><li>SECC metal housing (black color)</li><li>Panel mount bezel: Aluminum (black or silver), optional stainless steel</li></ul>
<b>IP rating</b>	IP66 – front side (for panel mount housing)
<b>Cooling</b>	Fanless w/ internal heat sink / pipe & external aluminum fin plate
<b>Mounting Dimension</b>	VESA 75 x 75 / 100 x 100 mm
<b>Weight (net)</b>	398 x 330 x 86 mm (W x H x D, panel mount) 6.5 Kg (approximate, w/o power adaptor)
<b>Temperature</b>	<ul style="list-style-type: none"><li>Operating - 0°C~50°C (w/ air flow) / - 0°C~40°C (no air flow)</li><li>Storage – -20°C~60°C</li></ul>
<b>Humidity</b>	Operating & storage – 10%~90%, non-condensing
<b>Regulatory</b>	FCC-A, CE(EMC), VCCI

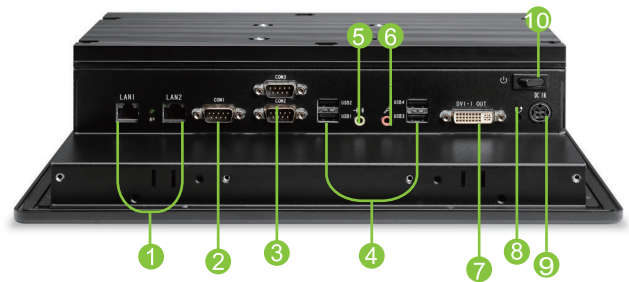
# WLP-7A20-15 V

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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

- LAN x 2
- RS232/422/485
- RS232 x 2
- USB x 4
- Line out
- Microphone-in
- DVI-I
- Reset
- DC-in
- 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 / 160G / 500G
- Panel mount bezel: Black / Silver / Stainless steel
- WLAN: None / x 1
- Touch: Resistive / Capacitive