

# WLP-7A20-19 V

## 19" Core i Fanless Industrial Panel PC



### ○ 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

<b>Size</b>	19" 5:4
<b>Resolution (pixel)</b>	SXGA 1280 x 1024
<b>Brightness (cd/m2)</b>	350 nit
<b>Contrast</b>	1000:1
<b>Number of Colors</b>	16.7M (6-bit x 3 + FRC)
<b>View Angle (H/V)</b>	170 (H) / 160 (V)
<b>Response time</b>	5 ms (R + F)
<b>Backlight /life time</b>	LED, 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>	4096 x 4096
<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
- 19" 5:4 SXGA 1280x1024 350 nits LCD w/ LED 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, 160GB / 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)

**Vedio-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, 80 watts, 90~264V AC in,  
12V DC out, 1.2m DC cable

**Power consumption** 65 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**

495.5 x 384.7 x 90 mm (W x H x D)

**Weight (net)**

9.0 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

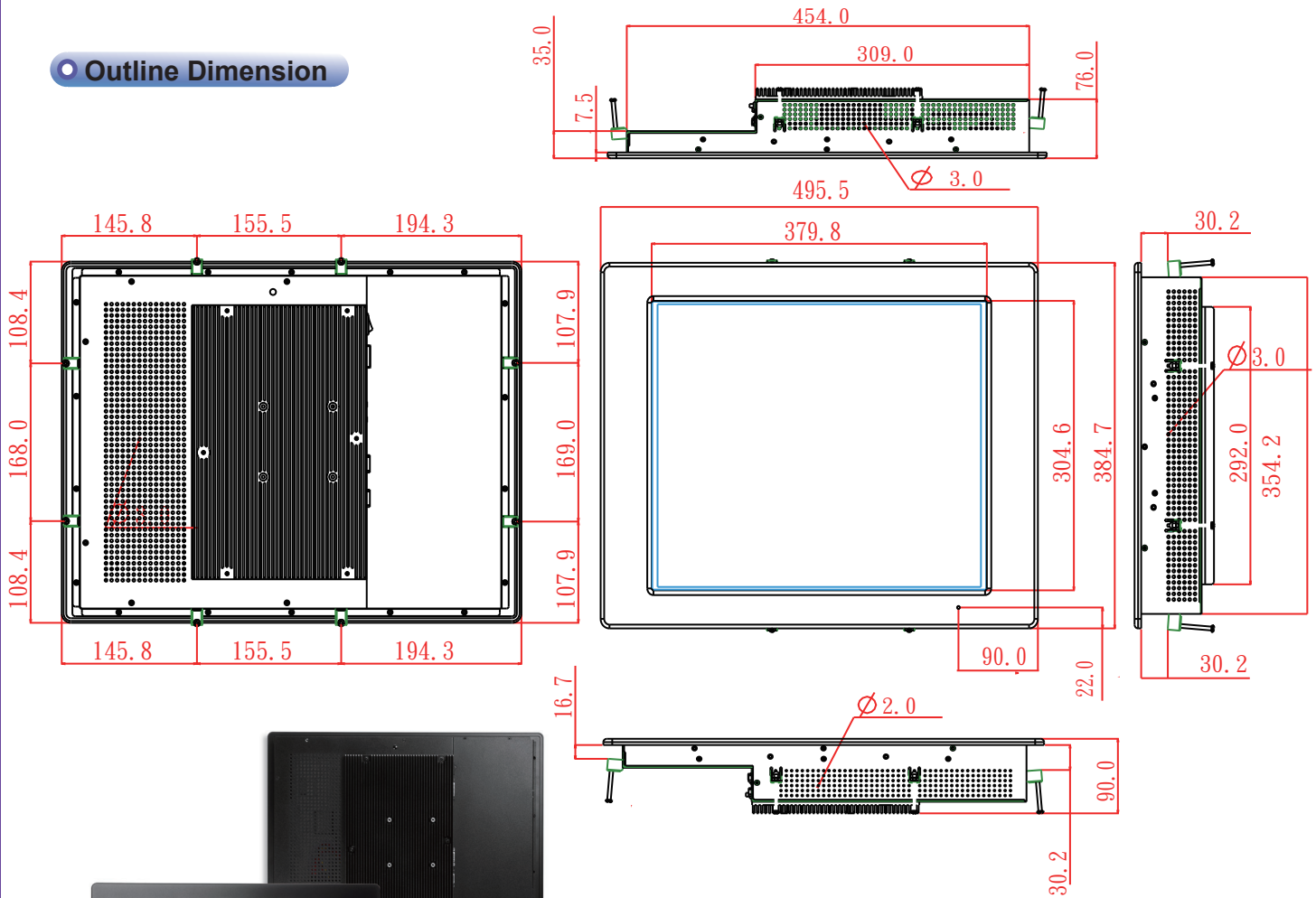
**Regulatory**

FCC-A, CE(EMC), VCCI

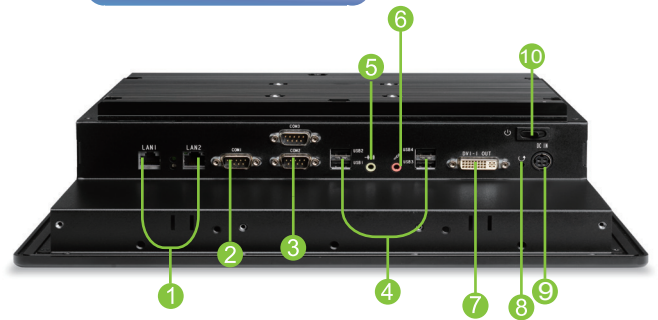
# WLP-7A20-19 V

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## Outline Dimension



## I/O Connectors



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

## 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

## 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