

WLP-7A20-17 V

17" 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

Size	17" 5:4
Resolution (pixel)	SXGA 1280 x 1024
Brightness (cd/m2)	380nit
Contrast	1000:1
Number of Colors	16.7M (6-bit x 3 + FRC)
View Angle (H/V)	170 (H) / 160 (V)
Response time	5 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

○ Key Features

- Fanless industrial panel PC w/ reliable thermal design
- Intel 3rd Generation (Ivy Bridge) Core i5/i7 CPU
- 17" 5:4 SXGA 1280x1024 380 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, 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 60 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

426.2 x 358.6 x 90 mm (W x H x D)

Weight (net)

8.5 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

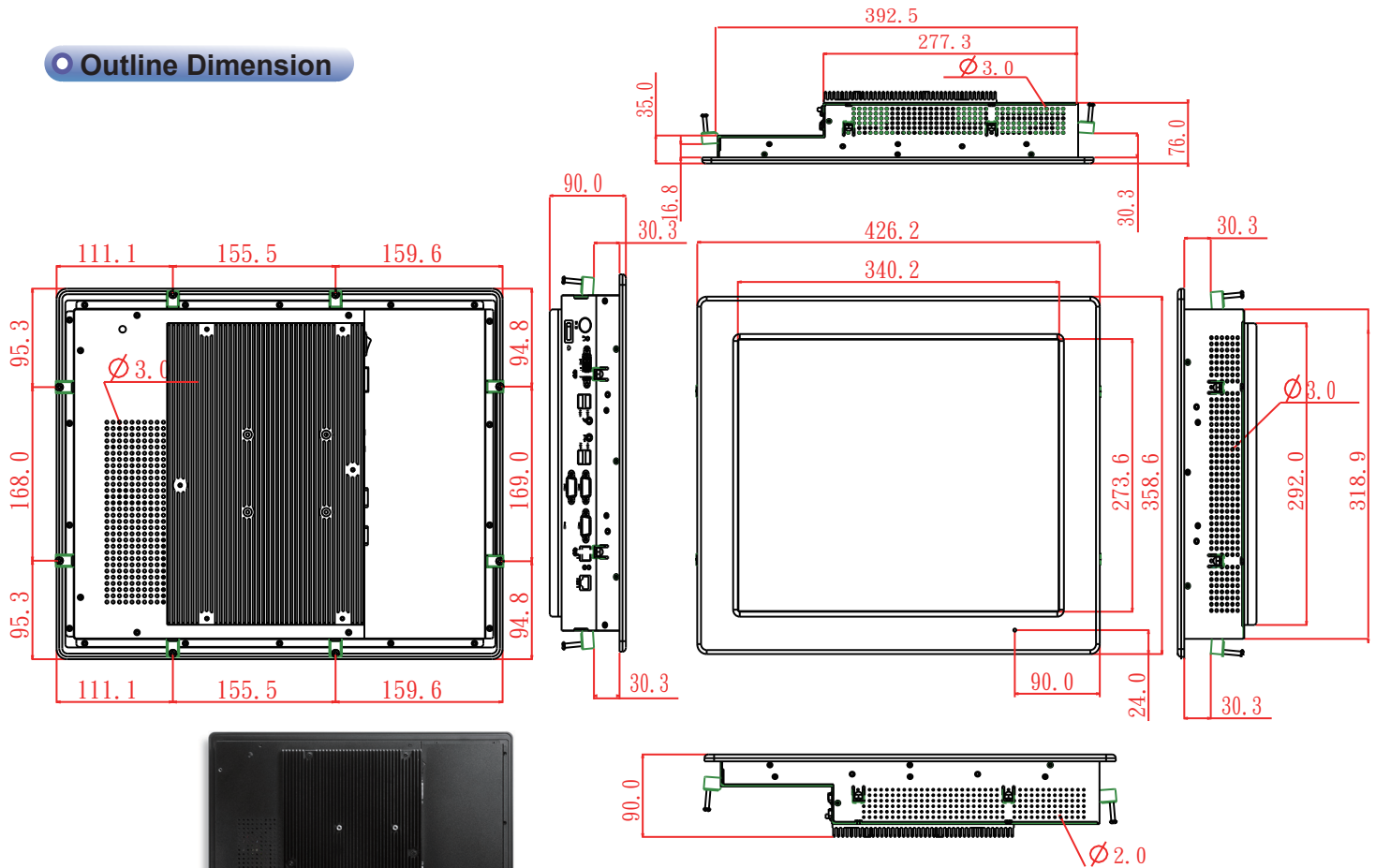
Regulatory

FCC-A, CE(EMC), VCCI

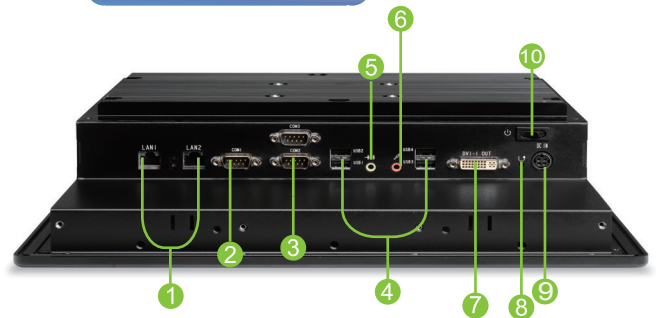
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Outline Dimension



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

- 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

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