

WLP-7920-15H

15" Wide Temperature Fanless Industrial Panel PC



Key Features

- Intel Atom D525 1.8G CPU
- Fanless industrial panel PC w/ reliable thermal design
- 15" 4:3 XGA 1024x768 1000 nits LED backlight
- Wide Temperature -20~65°C
- Front IP66 panel mount housing
- Mini PCIe sockets for WLAN & other add-on expansions
- Robust metal housing and HDD anti-vibration design
- Flexible customization for specific application requests
- 1000 nits optical bonding sunlight readable 15" LCD Panel
- Resistive touch panel w/ anti UV treatment

Storage

HDD 2.5" SATA HDD drive bay x 1 + anti-vibration kit, 100G wide temp. (-40~85°C)

Expansion slot Mini PCIe x 1 (52 pin card-edge type)

I/O & Control Keys

USB USB 2.0 x 3
COM DB-9 x 3 (RS232 x 2, RS232/422/485 <w/ auto flow control>)
LAN RJ-45 x 1, Gigabit
Audio Line-out, Microphone-in (3.5 mm phone-jack)
VGA output DB-15 x 1
Power input DC-in x 1, 12V~28V
Control keys

- Rear bottom: Power on/off, reset
- Brightness adjustment through Wincomm's SW utility

LED indicator

- Right side: System power on: green, HDD accessing: orange
- Left side: self-preheating on: red

Power

Power adaptor External, 60 watts, 100~240V 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 58 mm (W x H x D, panel mount)

Weight (net) 6.6 Kg (approximate, w/o power adaptor)

Temperature

- Operating : -20°C~65°C (w/ air flow) / -20°C~50°C (no air flow)
- Storage : -30°C~70°C

Humidity Operating & storage – 10%~90%, non-condensing

Regulatory FCC-A, CE(EMC), VCCI

Main System

CPU	Atom D525 1.8G
FSB	800MHz
Chipset	South bridge: Intel® ICH8M
Graphic	Analog CRT up to 2048x1536, support for CRT hot plug **18/24-bit single/dual-channel LVDS by Xilinx XC3S200AN, resolution support up to 800x600, 1024x768, 1280x1024, 1920x1080**
Memory	4GB maximum, x 2 DDR3 SODIMM, 1066/1333MHz, 2GB/4GB wide temp. (-40~85°C)
Serial ATA	SATA II controller (3.0Gb/sec) Port x 2
USB	External USB 2.0 type A x 3 Internal Mini-PCIe x 1 (for Wifi) 3.3V socket x 2 (for Blue tooth) 5V Pin Head to expansion x 2
COM	RS232/422/485 x 1 (Support RS485 Auto flow control). RS232 x 2
Audio	Realtek ALC262 audio codec, 2+2 watts amplifier
LAN	Marvell 88E8071 Gigabit Ethernet x 1
BIOS	• AMI BIOS, 16M 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)	1000 nits
Contrast	600:1
Number of Colors	16.2M colors
View Angle (H/V)	160 (H) / 150 (V)
Response time	8 ms (R + F)
Backlight / life time	LED

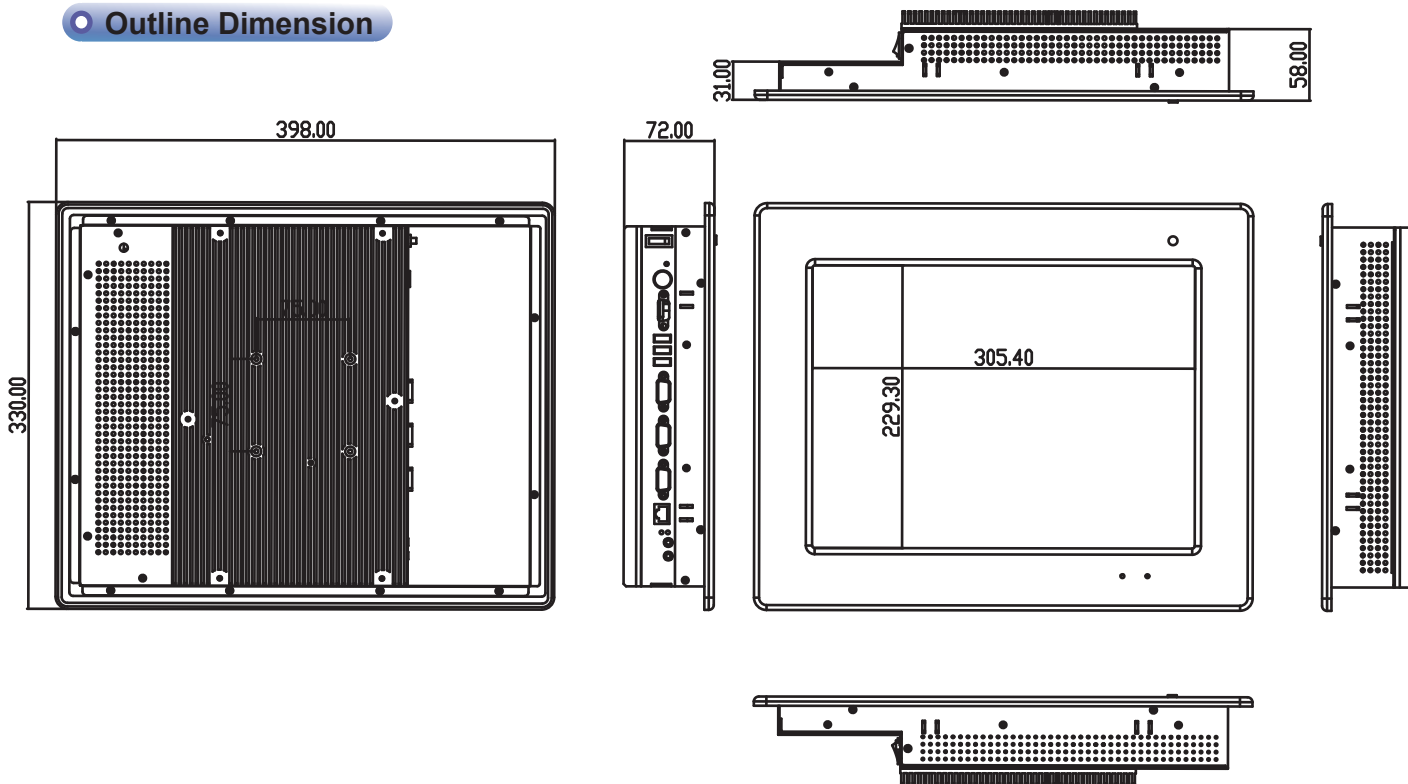
Touch Panel

Technology	Resistive touch, 5-wire
Optical Bonding	1mm thickness, >95% transmission
Hardness	7H + Anti UV
Lifetime	36 million activations

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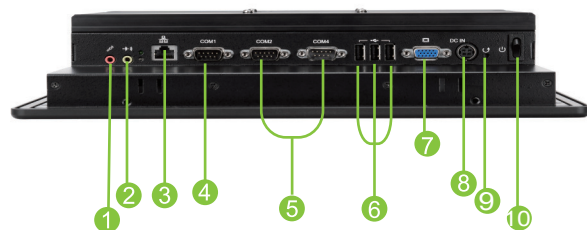
Outline Dimension



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

I/O Connectors



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

Product Photo



Ordering Information

- CPU: Atom D525 1.8G
- Memory: 2G / 4G Wide Temp.
- Touch: Resistive / Capacitive
- HDD: 100G SATA (Wide Temp) / 64G MLC (Wide Temp)
- Panel mount bezel: Black / Silver / Stainless steel
- WLAN: None / x 1



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