

WLP-7B20-12

12" Intel Bay Trail Fanless Industrial Panel PC



Key Features

- 12" Intel Bay Trail Fanless & Slim Panel PC
- Low power and true fanless thermal solution
- Onboard Intel® Celeron® J1900 (2.0 GHz) SoC
- 12" LCD with full flat Res. / P-cap touch screen
- IP66 in front water/dust proof bezel
- Panel mount capability
- Optional lock screen key design
- Optional Mini-PCle WLAN with external antenna

Main System

CPU	Intel® Celeron® J1900 2.0 GHz quad-core processor (10W max.)
Graphic	Intel® HD Graphics
Memory	Two 1333 MHz DDR3L SODIMM socket support dual Channel, non-ECC, up to 8 GB
Serial ATA	SATA II controller (3.0Gb/sec) Port x 2
USB	External USB 2.0 type A x 3, USB3.0 x 1 Internal Mini-PCIE x2 (Default) or USB 2.0 pin head x 2 (Option) Touch x 1 USB 2.0 (Pin head) x 3
Serial port	External RS232 / RS422 / RS485 x 1 (Set by BIOS, RS485 auto flow), RS232 x 1 Internal RS232 x 1, RS232 (Jumper 5V, 12V) x 1
Audio	Realtek ALC262 Audio Codec, 2+2 watts power amplifier
LAN	Intel I210-AT Gigabit Ethernet x 2
WDT	Generates system reset; 256 segments, 0, 1, 2...255 sec/min.
BIOS	Brand: AMI Flash ROM size: 64Mb Support RTC wakeup / Wake on LAN / Power on after power failure / PnP / ACPI / RTC

LCD Panel

Size	12" 4:3
Resolution (pixel)	SVGA (800x600)
Brightness (cd/m2)	450 nits
Contrast	700:1
Number of Colors	16.2M colors (6bit+ HiFRC); 262K colors selectable
Viewing angle(U/D/L/R)	160 (H) / 140 (V)
Response time	35 ms (R + F)
Backlight /life time	LED

Touch Panel

Technology	Full Flat Res. touch
Interface	USB
Hardness	4H
Life time	35 million times

Storage & Expansion

HDD 2.5" SATA HDD drive bay x 1

Expansion slot Mini PCIe x 2

I/O & Control Keys

USB USB 2.0 x 3, USB 3.0 x 1
COM DB-9 x 3
{RS232 x 2, RS232/422/485 x 1(Set by BIOS, RS485 auto flow)}
LAN RJ-45 x 2 , Gigabit
Audio Line-out, Microphone-in (3.5 mm phone-jack)
DVI output DVI-I x 1
Power input DC-in x 1, 7V~32V
Control keys Rear bottom: Power on/off, reset

LED indicator Aluminum bezel: System power on: green
HDD accessing: red

Power

Power adaptor AC 90 ~ 264V / 47 ~ 63 Hz / DC output 12V, 57W

Power consumption 28.208 W (MAX. Loading without adaptor)

Mechanical & Environmental

Material construction Front bezel is Aluminum, others are SECC

Aluminum bezel Color Black
ID design Panel mount

IP rating Front IP66
Cooling Fanless

Mounting VESA 75 x 75 mm, Panel Mounting
Dimension 369 x 290 x 55 mm (W x H x D, panel mount)
Weight (net) 4.5 Kg (approximate, w/o power adaptor)
Temperature Operating : 0°C~50°C (air flow cooling)
0°C~40°C (natural cooling)
Storage : -20~65°C

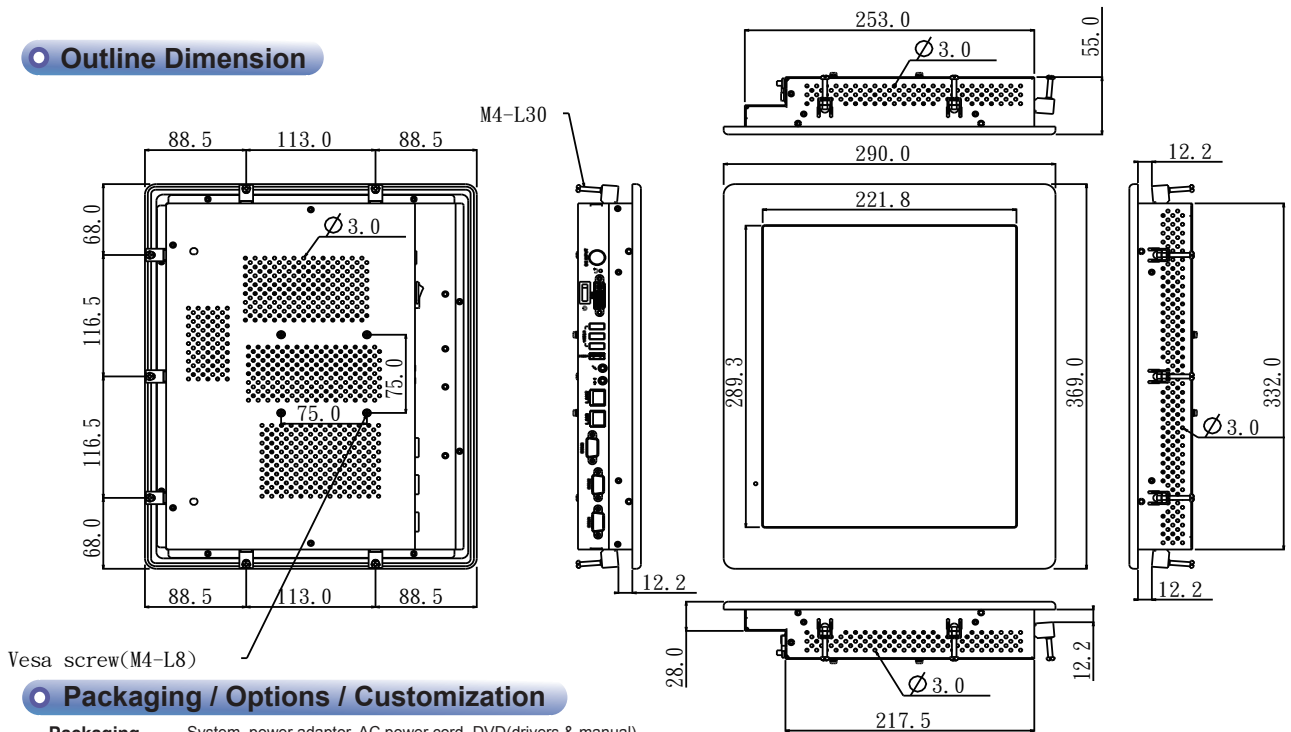
Humidity Operating & storage – 10%~90%, non-condensing

Regulatory FCC, CE(EMC), VCCI Class B

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Outline Dimension



Packaging / Options / Customization

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

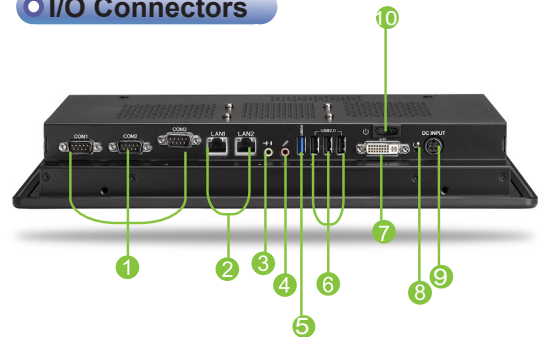
Options

- Wireless or Wireless + BT kit (2 ant)
- Full flat P-cap touch (Front IP69K)
- Lock touch screen
- SSD

Customization

- 1000 nits high brightness LCD
- Anti UV and 7H coating
- Sunlight readable optical bonding
- E3845 QC 1.91 GHz 10W (For Wide Temperature)
- Storage door solution
- Silver front bezel
- Stainless front bezel
- LCD Auto dimming
- LCD Super dimming (Low brightness)

I/O Connectors



- 1 COM x 3
- 2 LAN x 2
- 3 Line out
- 4 Microphone-in
- 5 USB 3.0
- 6 USB 2.0 x 3
- 7 DVI-I output
- 8 Reset
- 9 DC-in
- 10 Power on/off

Product Photo



Ordering Information

- CPU: Intel Celeron J1900 2.0 GHz
- Memory: 2G / 4G / 8G
- HDD: 320G / 500G
- WLAN + Bluetooth: None / x 1
- WLAN: None / x 1
- Touch: Resistive / Projected capacitive touch



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