

# Blue Line Industrial Panel PC-2300

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## Highlights

Industrial panel pc with extended temperature operation

- Extended temp -20°C to 50°C
- 7" to 18.5" touch display
- VESA / Panel / Rack mount
- Integrated PC
- Fanless operation
- Windows 7 / 8 / 10
- IP64 front panel
- Other mounting wall / pipe / swivel arm / gas arm



# Blue Line Industrial Panel PC-2300

## Specifications

### Model Type

Panel PC

### Construction

PolyCarbonate & ABS plastic

### Cooling

Fanless / smart fan

### Ingress Protection

7" IP65 front  
8.4" to 18.5" IP64 front

### Environment

	7", 12.1", 15.6"	8.4", 10.1"	18.5"
Operating temperature	-20°C to +50°C	-10°C to +50°C	-15°C to +50°C
Storage temperature	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Humidity	10% to 95% (non-condensing)	10% to 95% (non-condensing)	10% to 95% (non-condensing)

### Certification

CE / FCC

### Display

7"	1024 x 600, 15:9, WSVGA	
8.4"	800 x 600, 4:3, XGA	
10.1"	1280 x 800, 16:10, WXGA	2M webcam
12.1"	1024 x 768, 4:3, XGA	2M webcam
15.6"	1366 x 768, 16:9, WXGA	2M webcam
18.5"	1366 x 768, 16:9, WXGA	2M webcam

### Touch

Resistive touch  
Projected capacitive multi touch

### Brightness

7"	500 nits
8.4"	450 nits
10.1"	350 nits
12.1"	500 nits
15.6"	400 nits
18.5"	250 nits

### Colors

7" to 15.6"	16.2M
18.5"	262K

### Viewing Angle

7"	150/145
8.4"	160/140
10.1"	170/170
12.1"	160/160
15.6"	170/160
18.5"	170/160

### Processor

7"	Intel Celeron N2807 dual core, 1.58GHz
8.4" to 15.6"	Intel Celeron J1900 quad core, 2.0GHz
18.5"	Intel Celeron J3455 quad core, up to 2.3GHz

### Chipset

Integrated SoC

### RAM

7"	4GB DDR3L onboard
8.4" to 15.6"	1 x 204-pin SO-DIMM slot w/2GB DDR3L pre-installed (system max 8GB)
18.5"	1 x 204-pin SO-DIMM slot w/4GB DDR3L pre-installed (system max 8GB)

### Storage

7" to 10.1"	1 x mSATA SSD
12.1" to 18.5"	1 x mSATA SSD 1 x 2.5" SATA SSD / HDD bay

### Rear Input / Output



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7"	2 x RS-232 (DB-9 connector) 2 x GbE LAN RTL8111E controller 2 x USB 3.1 Gen 1 1 x power switch, 1 x AT/ATX switch 1 x reset button, 1 x 9 - 30V lockable power jack
8.4"	1 x RS-422/485 (DB-9 connector) 1 x RS-232 (RJ45 connector) 2 x GbE LAN RTL8111E controller 2 x USB 3.1 Gen 1 1 x reset button, 1 x power switch, 1 x AT/ATX switch 1 x reset button, 1 x audio port (line-out)
10.1"	1 x RS-232/422/485 (DB-9 connector) (RI/5V/12V) 1 x RS-232 (RJ-45 connector) 2 x RJ-45 for GbE LAN RTL8111E controller 2 x USB 3.1 Gen 1, 2 x USB 2.0 1 x power switch, 1 x AT/ATX switch 1 x reset button, 1 x audio port (line-out)
12.1"	1 x RS-232/422/485 (DB-9 connector)(RI/5V/12V) 1 x RS-232 (RJ-45 connector) 2 x RJ-45 for GbE LAN RTL8111E controller 2 x USB 3.1 Gen 1, 2 x USB 2.0 1 x power switch, 1 x AT/ATX switch 1 x reset button, 1 x audio port (line-out)
15.6"	1 x RS-232/422/485 (DB-9 connector) (RI/5V/12V) 1 x RS-232 (RJ-45 connector) 2 x GbE LAN RTL8111E controller 2 x USB 2.0, 2 x USB 3.0 1 x power switch
18.5"	1 x RS-232 (RI/5V/12V), 1 x RS-422/485 (RJ45) (RI/5V/12V) 2 x GbE LAN RTL8111E controller 2 x USB 2.0, 2 x USB 3.0 1 x power switch, 1 x AT/ATX switch 1 x HDMI, 1 x line out 1 x power in, 1 x reset button

## Expansion

1 x Half-size mini-PCIe slot

## Operating System

Windows 7 / 8 / 10  
Windows Embedded Standard 7 / 8  
Windows 10 IoT Enterprise  
Ubuntu Linux

## Power Supply

+9V to +30V DC-in by jack

## Power Consumption

Max 12V @ 3.2A

## Mounting

Panel / wall / arm / stand  
VESDA 75 /

## Dimension and Weight

7"	H 127 x W 191 x D 43mm	0.73kg
8.4"	H 175 x W 233 x D 50mm	0.80kg
10.1"	H 181 x W 262 x D 42mm	1.1kg
12.1"	H 243 x W 303 x D 44mm	1.92kg
15.6"	H 250 x W 396 x D 53mm	3.3kg
18.5"	H 280 x W 470 x D 60mm	6.3kg

## Accessories Included

7"	10 x screw pack M2, 1 x touch pen 1 x power adapter, 1 x RJ45 to RS-232 transfer cable
8.4"	2 x setting kit, 6 x round head machine screw 4 x pan head machine screw, 2 x fix holder 2 x power cord, 1 x power adapter, 1 x touch pen
10.1"	2 x round head machine screw, 4 x pan head machine screw 2 x fix holder, 1 x power cord, 1 x power adapter 1 x touch pen, 1 x RJ45 to DB9 transfer cable
12.1", 15.6"	1 x screw pack M2, 1 x touch pen 1 x power adapter, 1 x RJ45 to RS-232 transfer cable
18.5"	4 x pan head machine screw 4 x round head machine screw 1 x power cord, 1 x power adapter

## Warranty and After Sales Support

Standard 1 year (option for 3 years)

## Ordering Information

1431

