

# Blue Line Flex Panel PC-1100



## Highlights

Cost-effective industrial panel pc series offering flexible I/O expansion ports. All-round industrial panel PC for use in many types of industrial environments. Fanless operation and IP66 dust/waterproof front provide reliable operation 24/7/365.

Large product range and many options. More models in the series are UL certified.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.



Blue Line Flex Panel PC-1100 21.5" with Pentium N4200



Blue Line Flex Panel PC-1100 21.5" with Core i3 / i5

- Industrial environment
- IP66 front panel
- Fanless operation for maximum reliability
- 7" to 32" projected capacitive touch display
- Resolution up to full HD 1920 x 1080
- Integrated PC / client
- Pentium N4200 for simple task and data processing
- 8th generation Intel Core i3 / i5 for multi-task and SCADA
- Supports Windows 10 / 11 / Linux
- More models are UL certified
- VESA / panel mount
- Other mounting wall / pipe / swivel arm / gas arm



**BLUE LINE**  
IT for Demanding Environments

- has more than 30 years experience
- delivers reliable IT solutions for demanding environments
- builds compact and high performance solutions
- focuses on long duration, 24/7-operation, and ruggedness
- is ISO 9001:2015-certified
- is known for providing the best assistance and services in all phases.

# Blue Line Flex Panel PC-1100

## Specifications

### Model Type

Panel PC

### Construction

Aluminum bezel

### Cooling

Fanless

### Ingress Protection

Front IP66 - Rear IP5X

### Environment

Operating temperature 0°C to +50°C

Option for wide temperature -20°C to +60°C

Storage temperature -30°C to +70°C

Humidity 10 to 95% @ +40°C (non-condensing)

### Certification

Intel Pentium UL N4200

Intel Pentium CE / FCC Class A N4200, Celeron J6412 and Core i3/i5

### Display

7"	800 x 480, 5:3, WVGA	TFT LCD
8"	800 x 600, 4:3, SVGA	TFT LCD
10.1"	1280 x 800, 16:10, WXGA	TFT LCD
12.1"	800 x 600, 4:3, SVGA (option for 1024 x 768, 4:3, XGA)	TFT LCD
W12.1"	1280 x 800, 16:10, WXGA	TFT LCD
15"	1024 x 768, 4:3, XGA	TFT LCD
15.6"	1366 x 768, 16:9, WXGA (option for 1920 x 1080, 16:9, FHD)	TFT LCD
17"	1280 x 1024, 5:4, SXGA	TFT LCD
18.5"	1366 x 768, 16:9, WXGA (option for 1920 x 1080, 16:9, FHD)	TFT LCD
19"	1280 x 1024, 5:4, SXGA	TFT LCD
21.5"	1920 x 1080, 16:9, FHD	TFT LCD
23.8"	1920 x 1080, 16:9, FHD	TFT LCD
32"	1920 x 1080, 16:9, FHD	TFT LCD

### Touch

Projected capacitive multi touch (supports gloves)\*

Resistive touch (optional)

\* Supports 7H anti-scratch surface

### Brightness

7"	350 nits
8"	350 nits
10.1"	350 nits
12.1"	450 nits
W12.1"	600 nits
15"	300 nits
15.6"	300 nits
17"	350 nits
18.5"	300 nits
19"	350 nits
21.5"	250 nits
23.8"	250 nits
32"	500 nits
All sizes	Option for high brightness 1000 nits

### Colors

16.7M

### Viewing Angle

160/160 - 178/178

### Processor

7" to 32"	Intel Pentium N4200 4C/4T 1.1GHz (Turbo 2.5GHz)
7" to 32"	Intel Celeron J6412 4C/4T 2.0GHz (Turbo 2.6GHz)
12.1" to 32"	Intel 8th Gen. Core i3-8145UE 2C/4T 2.2GHz (Turbo 3.9GHz) Option for i5-8365UE 4C/8T 1.6GHz (Turbo 4.1GHz)

### Chipset

SoC

### RAM



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Pentium N4200	Onboard 4GB DDR3L 1600MHz (option for 8GB)
Celeron J6412	1 x DDR4 SO-DIMM socket, max 32GB 3200MHz
Core i3 / i5	1 x DDR4 SO-DIMM socket, max 32GB 2400MHz

## Storage

Pentium N4200 7" to 8"	1 x 1.8" SATA3 SSD and Micro SD card reader
Pentium N4200 10.1" to 32"	1 x 2.5" SATA3 SSD and Micro SD card reader
Celeron J6412 7" to 8"	1 x M.2 B-Key 2242 SATA
Celeron J6412 10.1" to 32"	1 x M.2 B-Key 2242/2280 SATA
Core i3 / i5 12.1" to 32"	1 x M.2 M-Key slot (Support PCIe/SATA 2242/2280)

## Rear Input / Output

Pentium N4200	2 x USB 3.0 type A
	1 x RS-232/422/485 by DB9, 1 x RS-232 by DB9
	2 x GbE LAN RJ-45 Port
	1 x line out
	1 x 3-pin DC power input terminal (32" AC input)
Celeron J6412	1 x 2-pin connector for power on/ off button
	2 x UBS 3.2 Gen2 Type A, 2 x USB 2.0 Type A
	1 x RS-232/422/485 (Default RS-232)
	2 x 2.5GbE LAN RJ-45 Port
	1 x DP, support DP++
Core i3 / i5	1 x line out
	1 x 3-pin DC power input terminal (32" AC input)
	1 x 2-pin connector for power on/ off button
	4 x USB 3.0 type A
	1 x RS-232 by DB9
	1 x Displayport
	2 x GbE LAN RJ-45 Port
1 x line out	
	1 x 3-pin DC power input terminal (32" AC input)
	1 x 2-pin connector for power on/ off button

## Expansion

	1 x Internal full size Mini PCIe slot
Pentium N4200	Internal SIM Card holder
Core i3 / i5	Internal Nano SIM Card holder

## Operating System

Windows 10 / 11  
Windows 10 IoT Enterprise  
Linux

## Thin Client

ThinManager, Microsoft Remote Desktop (RPD), NoTouch OS, VNC, Citrix and others

## Power Supply

+9 to +36V DC-in by terminal block

## Power Consumption

Pentium N4200	26W to 50W (Max)
Celeron J6412	TBD
Core i3 / i5	47W to 80W (Max)

## Mounting

7" to 8"	Panel mounting / VESA 75*
10" to 21.5"	Panel mounting / VESA 100*
23.8"	Panel mounting / VESA 200x100*
32"	Panel mounting / VESA 200*

\*The screen must be mounted from the back

## Dimension and Weight



# Blue Line Flex Panel PC-1100

7"	Outer: H 149 x W 202 x D 40mm Cut-out: H 138 x W 192mm	1.1kg	Standard 1 year (option for 3 years)
8"	Outer: H 176.1 x W 231.1 x D 50mm Cut-out: H 167 x W 222mm	1.9kg	
10.1"	Outer: H 189 x W 285 x D 48.9mm Cut-out: H 176 x W 272mm	2.5kg	
12.1"	Outer: H 245 x W 319 x D 51.7mm Cut-out: H 229 x W 303mm	2.8kg	
W12.1"	Outer: H 227 x W 328 x D 57.6mm Cut-out: H 211 x W 309mm	TBD	
15"	Outer: H 310 x W 410 x D 54.67mm Cut-out: H 292 x W 392mm	4.6kg	
15.6"	Outer: H 277.5 x W 412 x D 58.9mm Cut-out: H 259.5 x W 394mm	4.5kg	
17"	Outer: H 348 x W 439 x D 64.8mm Cut-out: H 331 x W 422mm	6.3kg	
18.5"	Outer: H 314.6 x W 499.6 x D 65.4mm Cut-out: H 297 x W 482mm	6.6kg	
19"	Outer: H 380 x W 468 x D 64.8mm Cut-out: H 362 x W 450mm	7.2kg	
21.5"	Outer: H 362.3 x W 557.3 x D 64.8mm Cut-out: H 344 x W 539mm	7.5kg	
23.8"	Outer: H 395 x W 640 x D 44mm Cut-out: H 362 x W 600mm	TBD	
32"	Outer: H 490 x W 810 x D 65mm Cut-out: H 472 x W 792mm	17.4kg	

## Ordering Information

1071: Intel Pentium N4200 Series

1071-0: Intel Core i3 / i5 Series

## Accessories Included

AC to DC power adapter with terminal block

Power core 1.8m cable

Panel mount kit

## Accessories Optional

Wall mount kit

Desktop stand

WiFi / BT modul and Antenna kit

4G LTE modem and Antenna kit

Internal RFID 13.56MHz reader

2 x COM (RS-422/485, isolated)\*/\*\*

2 x COM (RS-232)\*/\*\*

1 x GbE RJ-45 LAN + 2 x USB 2.0 type A\*/\*\*

1 x GbE 45W PoE RJ-45 LAN + 2 x USB 2.0 type A\*/\*\*

2 x CAN\*/\*\*

\*Only supports one option

\*\* Only from 10.1" to 32"

## Warranty and After Sales Support



**BLUE LINE**  
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