# Blue Line Flex Panel PC-1100




BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
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Blue Line Flex Panel PC-1100 15.6” with Pentium N4200



Blue Line Flex Panel PC-1100 15.6” with Core i3 / i5





## Highlights

Enhance industrial visualization with a reliable monitor designed for demanding environments. The Blue Line Flex Monitor-1100 delivers clear image quality, flexible connectivity and industrial durability to support HMI, machine control and production monitoring applications.

Bring visualization and control together in one compact solution. The Flex-1100 helps you monitor processes and operate machinery through an intuitive touchscreen interface, reducing installation complexity and saving valuable cabinet space.



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Reliable operation is essential in industrial environments. The fanless design and industrial construction help ensure stable performance for HMI, production monitoring and machine control applications operating around the clock.

- 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
- Celeron J6412 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

## Specifications

### Model Type

Panel PC

### Construction

Aluminum bezel

### Cooling

Fanless

### Ingress Protection



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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 Celeron J6412 and Core i3/i5 | UL |
| Intel Celeron J6412 and Core i3/i5 | CE / FCC Class A |

## 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<br>800 x 600, 4:3, SVGA | TFT LCD |
| 12.1" | (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<br>1366 x 768, 16:9, WXGA | TFT LCD |
| 15.6" | (option for 1920 x 1080, 16:9, FHD) | TFT LCD |
| 17" | 1280 x 1024, 5:4, SXGA<br>1366 x 768, 16:9, WXGA | TFT LCD |
| 18.5" | (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


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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 |

## Colors

16.7M

## Viewing Angle

160/160 - 178/178

## Processor

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

## Chipset

SoC



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## RAM

| | |
|---|---|
| Celeron J6412 | 1 x DDR4 SO-DIMM socket, max 32GB 3200MHz |
| Core i3 / i5 | 1 x DDR4 SO-DIMM socket, max 32GB 2400MHz |

## Storage

| | |
|---|---|
| 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

| | |
|---|---|
| Celeron J6412 | 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++ |
| | 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 |
| Core i3 / i5 | 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

| | |
|---|---|
| Core i3 / i5 | Internal Nano SIM Card holder |

## Operating System

Windows 10 / 11

Windows 10 / 11 IoT Enterprise

Linux

## Thin Client



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

## Power Supply

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

## Power Consumption

| | |
|---|---|
| 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

| | | |
|---|---|---|
| 7" | Outer: H 149 x W 202 x D 40mm<br>Cut-out: H 138 x W 192mm | 1.1kg |
| 8" | Outer: H 176.1 x W 231.1 x D 50mm<br>Cut-out: H 167 x W 222mm | 1.9kg |
| 10.1" | Outer: H 189 x W 285 x D 48.9mm<br>Cut-out: H 176 x W 272mm | 2.5kg |
| 12.1" | Outer: H 245 x W 319 x D 51.7mm<br>Cut-out: H 229 x W 303mm | 2.8kg |
| W12.1" | Outer: H 227 x W 328 x D 57.6mm<br>Cut-out: H 211 x W 309mm | TBD |


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| | | |
|---|---|---|
| 15" | Outer: H 310 x W 410 x D 54.67mm<br>Cut-out: H 292 x W 392mm | 4.6kg |
| 15.6" | Outer: H 277.5 x W 412 x D 58.9mm<br>Cut-out: H 259.5 x W 394mm | 4.5kg |
| 17" | Outer: H 348 x W 439 x D 64.8mm<br>Cut-out: H 331 x W 422mm | 6.3kg |
| 18.5" | Outer: H 314.6 x W 499.6 x D 65.4mm<br>Cut-out: H 297 x W 482mm | 6.6kg |
| 19" | Outer: H 380 x W 468 x D 64.8mm<br>Cut-out: H 362 x W 450mm | 7.2kg |
| 21.5" | Outer: H 362.3 x W 557.3 x D 64.8mm<br>Cut-out: H 344 x W 539mm | 7.5kg |
| 23.8" | Outer: H 395 x W 640 x D 44mm<br>Cut-out: H 362 x W 600mm | TBD |
| 32" | Outer: H 490 x W 810 x D 65mm<br>Cut-out: H 472 x W 792mm | 17.4kg |

## 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



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# Blue Line Flex Panel PC-1100

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

Standard 1 year (option for 3 years)

## Ordering Information

1071-0: Intel Core i3 / i5 Series



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