# Blue Line Flex Panel PC-1300




BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
T +45 8678 5000 | www.blue-line.com

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## Highlights

Simplify industrial automation with a flexible panel PC designed to adapt to your application. The Blue Line Panel PC Flex-1300 combines reliable computing performance, modular expansion and a narrow bezel design to support HMI, machine control and smart manufacturing environments.
Large product range and many options. More models in the series are UL certified.



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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.

Your automation requirements evolve over time. The Flex-1300 gives you the flexibility to choose the performance, display size and connectivity that match your application, making future upgrades and system customization simple.

Seamless integration is essential for efficient automation. The Flex-1300 provides flexible I/O and mounting options that simplify the connection of machines, controllers and production equipment while reducing overall system complexity.

Keep your production running with a panel PC built for demanding industrial environments. The fanless design and IP66-rated front panel help protect against dust and moisture while ensuring stable and reliable operation throughout the day.

- Industrial environment
- IP66 front panel
- Fanless operation for maximum reliabilty
- 7” to 21.5” projected capacitive touch display
- Resolution up to full HD 1920 x 1080
- Integrated PC/client
- Intel® Celeron® N97 processor for HMI and industrial applications
- Optional Intel® Core™ Ultra 5 / 7 for advanced automation and SCADA
- Supports Windows 10/11 & Linux
- Optional high brightness display up to 1000 nits
- VESA / panel mount
- Other mounting wall / pipe / swivel arm / gas arm

## Specifications



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# Blue Line Flex Panel PC-1300

## Model Type

Panel PC

## Construction

Aluminum bezel

## Cooling

Fanless

## Ingress Protection

Front IP66 - Rear IP5X

## Environment

| | |
|---|---|
| Operating temperature | 0°C to +60°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

CE / FCC Class A

## Display

| | | |
|---|---|---|
| 7" | 1024 x 600, 16:9, WSVGA | TFT LCD |
| 10.1" | 1280 x 800, 16:10, WXGA | TFT LCD |
| 12.1" | 1024 x 768, 4:3,  XGA | TFT LCD |
| 15" | 1024 x 768, 4:3, XGA | TFT LCD |
| 15.6" | 1920 x 1080, 16:9, FHD | TFT LCD |
| 21.5" | 1920 x 1080, 16:9, FHD | TFT LCD |

## Touch

Projected capacitive multi touch (supports gloves)*


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* Supports 7H anti-scratch surface

## Brightness

| | |
|---|---|
| 7" | 350 nits |
| 10.1" | 350 nits |
| 12.1" | 450 nits |
| 15" | 350 nits |
| 15.6" | 500 nits |
| 21.5" | 250 nits |

Option for 800 to 1000 nits high brightness

## Colors

16.7M

## Viewing Angle

160/160 - 178/178

## Processor

7" to 21.5"

Intel Celeron N97 4C/4T 2.0GHz TDP 12W

Option for: Intel Atom x7425E 4C/4T 1.5GHz TDP 12W

10.1" to 21.5"

Intel Core Ultra 5 125U (2 P-Cores x 1.3GHz, 8 E-Cores x 0.8GHz,12MB cache, 15W)

Option for: Intel Core Ultra 7 155U (2 P-Cores x 1.7GHz, 8 E-Cores x 1.2GHz, 12MB cache, 15W)

## Chipset

SoC

AMI UEFI BIOS

Onboard TPM2.0 SPI

Watchdog Auto reset for unresponsive system (custom 1-255 sec/min settings in BIOS)

## RAM



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| | |
|---|---|
| Celeron N97 / x7425E | 1 x DDR5 SO-DIMM socket, max 32GB 4800MHz |
| Core Ultra 5 / 7 | 1 x DDR5 SO-DIMM socket, max 48GB 5600MHz |

## Storage

1 x M.2 M-Key 2280 SATA or PCIe3.0 x4

## Rear Input / Output

| | |
|---|---|
| Celeron N97 / x7425E | |
| 7" | 2 x UBS 3.2 Gen1 Type A, 2 x USB 2.0 Type A<br>1 x RS-232/422/485 (Default RS-232) DB9 Port<br>2 x 2.5GbE Intel i226V/IT LAN RJ-45 Port<br>1 x HDMI 1.4<br>1 x 3-pin DC power input via terminal block |
| 10" to 21.5" | 2 x UBS 3.2 Gen1 Type A, 2 x USB 2.0 Type A<br>2 x RS-232/422/485 (Default RS-232) DB9 Port<br>2 x 2.5GbE Intel i226V/IT LAN RJ-45 Port<br>1 x HDMI 1.4<br>1 x 3-pin DC power input via terminal block |
| Core Ultra 5 / 7 | |


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# Blue Line Flex Panel PC-1300

10.1" to 21.5"

4 x UBS 3.2 Gen1 Type A

2 x RS-232/422/485 (Default RS-232) DB9 Port

2 x 2.5GbE Intel i226V/IT LAN RJ-45 Port

1 x HDMI 2.1

1 x DP1.4

1 x 3-pin DC power input via terminal block

## Expansion

1 x M.2 2230 E-Key (USB2.0, PCIe x1) for optional Wi-Fi/BT module

1 x M.2 3042/3052 B-key (PCIe x1, USB3.2 Gen1, USB2.0) for optional LTE/5G module

Internal Nano SIM Card holder

## Operating System

Windows 10 / 11
Windows 10 / 11 IoT Enterprise
Linux 24.04

## Power Supply

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

## Power Consumption

| | |
|---|---|
| Celeron N97 /x7425E | 36 to 53W (Max) |
| Core Ultra 5 / 7 | 35W to 62W (Max) |

## Mounting

| | |
|---|---|
| 7" | Panel mounting* / VESA 75x75 |
| 10" to 21.5" | Panel mounting* / VESA 100x100 |



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*The screen must be mounted from the back

## Dimension and Weight

| | | |
|---|---|---|
| 7" | | |
| N97 / x7425E | Outer: H 135 x W 197 x D 48mm<br>Cut-out: H 124 x W 186mm | Net Weight 1,0kg |
| 10.1" | | |
| N97 / x7425E | Outer: H 184,9 x W 270,0 x D 57,0mm<br>Cut-out: H 186 x W 261mm | Net weight 1.86kg |
| Core Ultra 5 / 7 | Outer: H 184,9 x W 270 x D 66mm<br>Cut-out: H 186 x W 261mm | Net Weight 2.37kg |
| 12.1" | | |
| N97 / x7425E | Outer: H 230 x W 291 x D 55mm<br>Cut-out: H 220 x W 281mm | Net weight 2.31kg |
| Core Ultra 5 / 7 | Outer: H 230 x W 291 x D 64mm<br>Cut-out: H 220 x W 281mm | Net weight 2.74kg |
| 15" | | |
| N97 / x7425E | Outer: H 283,6 x W 359,6 x D 56,6mm<br>Cut-out: H 247,7 x W 350,7mm | Net weight 3.42kg |


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| | | |
|---|---|---|
| Core Ultra 5 / 7 | Outer: H 283,6 x W 359,6 x D 65,5mm<br>Cut-out: H 247,7 x W 350,7mm | Net weight 3,75kg |
| 15.6" | | |
| N97 / x7425E | Outer: H 245,7 x W 396,3 x D 55mm<br>Cut-out: H 236,2 x W 386,8mm | Net weight 3.85kg |
| Core Ultra 5 / 7 | Outer: H 245,7 x W 396,3 x D 64mm<br>Cut-out: H 236,2 x W 386,8mm | Net weight 3.49kg |
| 21.5" | | |
| N97 / x7425E | Outer: H 321,3 x W 529,6 x D 56,5mm<br>Cut-out: H 312 x W 520,7mm | Net weight 5.14kg |
| Core Ultra 5 / 7 | Outer: H 321,3 x W 529,6 x D 65,5mm<br>Cut-out: H 312 x W 520,7mm | Net weight 5.5kg |

## 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-1300

4G LTE or 5G modem and Antenna kit

High Brightness

Support Auto-Dimming

Internal RFID 13.56MHz reader

Optional panel mount dustproof covers when VESA mounted

• 4pcs. for 7"

• 8pcs. for 10.1" & 12.1"

• 10pcs. for 15" & 15.6"

• 12pcs. for 21.5"

1 x COM (RS-232) or 2 x USB 2.0 Type A

## Warranty and After Sales Support

Standard 1 year (option for 3 years)



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