

Blue Line Flex Panel PC-1100



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

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	TFT LCD
	800 x 600, 4:3, SVGA	
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	TFT LCD
	1366 x 768, 16:9, WXGA	
15.6"	(option for 1920 x 1080, 16:9, FHD)	TFT LCD
17"	1280 x 1024, 5:4, SXGA	TFT LCD
	1366 x 768, 16:9, WXGA	
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) 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
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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	1.1kg
	Cut-out: H 138 x W 192mm	
8"	Outer: H 176.1 x W 231.1 x D 50mm	1.9kg
	Cut-out: H 167 x W 222mm	
10.1"	Outer: H 189 x W 285 x D 48.9mm	2.5kg
	Cut-out: H 176 x W 272mm	
12.1"	Outer: H 245 x W 319 x D 51.7mm	2.8kg
	Cut-out: H 229 x W 303mm	
W12.1"	Outer: H 227 x W 328 x D 57.6mm	TBD
	Cut-out: H 211 x W 309mm	



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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

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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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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