Waterproof Panel Mount HMI PC 7200 Series



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
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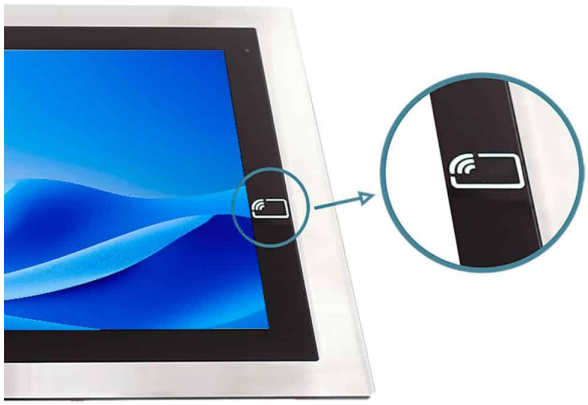


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Highlights

The world’s first IP69K high pressure proof HMI for panel mounting that withstands both intensive spray down and high pressure cleaning. Integrate this product in cabinets or other existing automation equipment securing the increasing requirements for hygiene and safety in the food industry.
Screen sizes from 7” to 21.5” with auto-calibrated multi touch technology and a very elegant true-flat design. Obtain 24/7 operational reliability with low power consumption, passive cooling and no moving parts.

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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.

• Food / wet environment

• Integration in control cabinets / machines

• IP66 / IP69K waterproof front bezel

• Stainless steel AISI 304 / 316L

• 7" to 21.5" multi touch display

• Up to full HD resolution 1920 x 1080

• Available with or without touch

• Integrated PC / client

• Intel Core i3 / i5 / Celeron

• Fanless operation

• ThinManager support

• Windows 10 / 11 & Linux

• Food safety standards EN 1672-2 and NFS / ANSI / 3-A

• Customisation according to your requirements

Specifications

Model Type

HMI stainless steel Panel PC

Construction

Front bezel stainless steel AISI304
Option for acid resistant stainless steel AISI316L

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Cooling

Fanless

Ingress Protection

IP66/IP69K waterproof front bezel

Environment

	7", 10.1",12.1", 15.6"	W12.1", 15", 17", 18.5", 19"	21.5"
Operating temperature	0°C to +50°C option for -20°C to +60°C	0°C to +50°C	0°C to +50°C 0°C to +40°C for high brightness model
Storage temperature	-30°C to +70°C	-20°C to +60°C	-20°C to +60°C
Humidity	10 to 90% @ +40?C (non-condensing)	10 to 90% @ +40?C (non-condensing)	10 to 90% @ +40?C (non-condensing)

Certification

CE / FCC Class A

Display

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

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21.5"	1920 x 1080, 16:9, FHD	color TFT LCD

Touch

Projected capacitive multi touch (supports gloves)
Anti Shatter Film for projected capacitive multi touch (optional)
Resistive touch (optional)
No touch (optional)
Optical bonding (optional)

Brightness

7"	350 nits (option for 1000 nits)
10.1"	350 nits (option for 500 / 1000 nits)
12.1"	450 nits (option for 1000 nits)
W12.1"	600 nits (option for 1000 nits)
15"	420 nits (option for 1000 nits)
15.6"	300 nits (option for 1000 nits)
17"	350 nits (option for 1000 nits)
19"	350 nits (option for 900 nits)
18.5"	350 nits (option for 1000 nits)
21.5"	250 nits (option for 1000 nits)

Colors

7"	262K
12.1"	16.2M
10.1", 15", 15.6", 17",18.5", 19", 21.5"	16.7M

Viewing Angle

140/110 - 178/178

Processor

7" to 21.5"	Intel Celeron J6412 4C/4T 2.0GHz Intel Core i3-8145UE 2C/4T 2.2GHz
12", 15", 15.6", 17",18.5", 19", 21.5"	Intel Core i5-8365UE 4C/8T 1.6GHz

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Chipset

SoC

RAM

Celeron J6412	1 x DDR4 SO-DIMM socket, max 32GB 3200MHz
8th Gen. Core i3/i5	1 x DDR4 SO-DIMM socket, max 32GB 2400MHz

Storage

Celeron J6412 & 8th Gen Core i3/i5	1 x M.2 B-Key 2242/2280 SATA/PCIe

Rear Input / Output

Celeron J6412	2 x USB 2.0 type A
	2 x USB 3.2 Gen2 type A
	1 x RS-232/422/485 DB-9 Port
	2 x 2.5GbE LAN RJ-45 Port
	1 x line out
	1 x DP (Display port++)
	1 x 3-pin DC power input terminal
	1 x 2-pin connector for power on/ off button
8th Gen. Core	4 x USB 3.0 type A
	1 x RS-232 DB-9 Port
	1 x RS-232/422/485 DB-9 Port
	2 x GbE LAN RJ-45 Port
	1 x line out
	1 x DP (Display port)
	1 x 3-pin DC power input terminal
	1 x 2-pin connector for power on/ off button

Expansion

8th Gen. Core	1 x Mini PCIe slot
Celeron J6412	1 x M.2 E-Key 2230

Operating System

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Windows 10 / 11

Windows 10 / 11 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

12W to 53W

Mounting

7"	Panel mounting / VESA 75*
10" to 21.5"	Panel mounting / VESA 100*
	*The screen must be mounted from the back

Dimension and Weight

7"	H 163 x W 217 x D 40mm Cut-out: H 138 x W 192mm	1.1kg
10.1"	H 200 x W 296 x D 46.9mm Cut-out: H 176 x W 272mm	2.5kg
12.1"	H 257 x W 331 x D 52mm Cut-out: H 229 x W 303mm	3.5kg
W12.1"	H 227 x W 328 x D 57.6 mm Cut-out: H 211 x W 309mm	2.9kg
15"	H 322 x W 422 x D 54.1mm Cut-out: H 292 x W 392mm	5.1kg

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15.6"	H 289.5 x W 424 x D 58.1mm Cut-out: H 259.5 x W 394mm	5.3kg
17"	H 358.4 x W 449.4 x D 63.8mm Cut-out: H 297 x W 482mm	6.5kg
18.5"	H 325 x W 510 x D 63.7mm Cut-out: H 297 x W 482mm	6.8kg
19"	H 398 x W 485 x D 63.8mm Cut-out: H 362 x W 450mm	7.7kg
21.5"	H 378.8 x W 573.8 x D 59.8mm Cut-out: H 344 x W 539mm	8.2kg

Accessories Included

AC to DC power adapter with terminal block

Panel mount kit

Accessories Optional

Wall mount kit

WIFI / BT module and Antenna kit

4G LTE modem and Antenna kit

RFID 13.56MHz reader module integrated in design

2 x COM(RS-232)

2 x COM(RS-232/485, isolated)

2 x CAN

1 x LAN + 2 x USB 2.0

1 x LAN 45W PoE + 2 x USB 2.0

Warranty and After Sales Support

Standard 1 year (option for 3 years)

Ordering Information

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