# Waterproof Panel Mount HMI PC 7200 Series




## 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.

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 7 / 8 / 10 / 11
- Food safety standards EN 1672-2 and NFS / ANSI / 3-A
- Customisation according to your requirements

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.

# Waterproof Panel Mount HMI PC 7200 Series

## Specifications

### Model Type

HMI stainless steel Panel PC

### Construction

Front bezel stainless steel AISI304

Option for acid resistant stainless steel AISI316L

### 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 | 0°C to +50°C | 0°C to +50°C |
| | option for -20°C to +60°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 | color TFT LCD |
| 12.1" | 800 x 600, 4:3, SVGA (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 | color TFT LCD |
| 15.6" | 1366 x 768, 16:9, WXGA (option for 1920 x 1080 FHD) | color TFT LCD |
| 17" | 1280 x 1024, 5:4, SXGA | color TFT LCD |
| 18.5" | 1366 x 768, 16:9, WXGA (option for 1920 x 1080 FHD) | color TFT LCD |
| 19" | 1280 x 1024, 5:4, SXGA | color TFT LCD |
| 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 N2930 4C/4T 1.83GHz<br>Intel Celeron J6412 4C/4T 2.0GHz |
| 12", 15", 15.6", 17",18.5", 19", 21.5" | Intel Core i3-8145UE 2C/4T 2.2GHz<br>Intel Core i5-8365UE 4C/8T 1.6GHz |

### Chipset

SoC

### RAM



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

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| | |
|---|---|
| Celeron N2930 | Onboard 4GB DDR3L (option for 8GB) |
| 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 N2930 | 7" | 1 x slim 1.8” SSD |
| Celeron N2930 | 10.1", 12.1", 15", 15.6", 17", 18.5", 19", 21.5" | 1 x 2.5" SATA SSD / HDD |
| Celeron N2930 | | 1 x internal Micro SD slot |
| Celeron J6412 & 8th Gen Core i3/i5 | | 1 x M.2 B-Key 2242/2280 SATA/PCIe |

## Rear Input / Output

| | |
|---|---|
| Celeron N2390 | 2 x USB 3.0 type A |
| | 1 x RS-232/422/485 DB-9 Port |
| | 1 x RS-232 DB-9 Port |
| | 2 x GbE LAN RJ-45 Port |
| | 1 x line out |
| | 1 x 3-pin DC power input terminal |
| | 1 x 2-pin connector for power on/ off button |
| 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

| | |
|---|---|
| Celeron & Core | 1 x Mini PCIe slot |
| Celeron J6412 | 1 x M.2 E-Key 2230 |

## Operating System

Windows 7 / 8 / 10 / 11*

Windows 10 IoT Enterprise

Linux

*Celeron N2930 don't support Windows 11

## 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<br>Cut-out: H 138 x W 192mm | 1.1kg |
| 10.1" | H 200 x W 296 x D 46.9mm<br>Cut-out: H 176 x W 272mm | 2.5kg |
| 12.1" | H 257 x W 331 x D 52mm<br>Cut-out: H 229 x W 303mm | 3.4kg |
| W12.1" | H 227 x W 328 x D 57.6 mm<br>Cut-out: H 211 x W 309mm | 2.9kg |
| 15" | H 322 x W 422 x D 54.1mm<br>Cut-out: H 292 x W 392mm | 5.1kg |
| 15.6" | H 289.5 x W 424 x D 58.1mm<br>Cut-out: H 259.5 x W 394mm | 5.4kg |
| 17" | H 358.4 x W 449 x D 63.8mm<br>Cut-out: H 331 x W 422mm | 6.4kg |
| 18.5" | H 325 x W 510 x D 63.7mm<br>Cut-out: H 297 x W 482mm | 6.9kg |
| 19" | H 398 x W 485 x D 63.8mm<br>Cut-out: H 362 x W 450mm | 7.7kg |
| 21.5" | H 378.8 x W 573.8 x D 59.8mm<br>Cut-out: H 344 x W 539mm | 8kg |



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# Waterproof Panel Mount HMI PC 7200 Series

## 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

510


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