

# High Pressure IP69K Waterproof HMI Panel PC 7900 Series

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**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.

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## Highlights

Elegant and waterproof stainless steel IP69K Panel PC developed for industries with extensive cleaning and spray down. Very easy to clean and disinfect due to smooth sides, rounded edges and a narrow front bezel. Designed with special hygienic bolts on rear case enabling the market's fastest and most complete cleaning.



Designed for 24/7 operation, with low power consumption, passive cooling and without moving parts for maximum operational reliability. Screen sizes in 15.6" or 21.5" with auto-calibrated touch technology for seamless operation, even with gloves.



The rear side of the waterproof IP69K HMI supports tube and swivel arm mounting with internal cable wiring providing the market's best long term protection against high pressure water treatment.

Benefit from our experience from numerous installations around the world. Let us prepare a proposal that ensures the best functionality, ergonomics and occupies as little space as possible, such as integration with food processing equipment.

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.

- Waterproof HMI Panel PC for Food / Life Science / Chemical
- IP66 / IP69K high pressure waterproof
- Stainless steel AISI 304 / 316L
- 15.6" or 21.5" PCAP multi touch display
- Up to full HD resolution 1920 x 1080
- True flat and ultra slim front frame design
- Integrated PC
- 11th generation Intel Core i3 / i5 / Celeron
- Fanless operation
- ThinManager support
- Windows 10 / 11
- Optional tube mount and swivel arm with hidden connectors and cables



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## Specifications

### Model Type

HMI stainless steel Panel PC

### Construction

Fully sealed enclosure in stainless steel AISI 304  
Optional acid resistant stainless steel AISI 316L

### Cooling

Fanless

### Ingress Protection

IP66/IP69K

### 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 90% @ +40°C (non-condensing)

### Certification

CE / FCC CLASS A

### Display

15.6"	1366 x 768, 16:9, HD (option for FHD)	color TFT LCD
21.5"	1920 x 1080, 16:9, FHD	color TFT LCD

### Touch

Projected capacitive multi touch (supports gloves)\*  
Resistive touch (optional)  
Optical bonding (optional)  
\*Supports 7H anti-scratch surface

### Brightness

15.6"	400 nits
21.5"	250 nits
All sizes	Option for high brightness 1000 nits

### Colors

16.7M

### Viewing Angle

15.6"	170/130 - 170/160
21.5"	178/178

### Processor

Intel Celeron J6412 (Quad Core 2.0 GHz)  
Intel Core i3-1115G4E (Dual Core 2.20 GHz)  
Intel Core i5-1145G7E (Quad Core 1.50 GHz)

### Chipset

SoC with Intel PTT (TPM 2.0)

### RAM

Celeron J6412	1 x 260-pin SO-DIMM, max 32GB DDR4 3200MHz
Core i3 / i5	2 x 260-pin SO-DIMM, max 64GB DDR4 3200MHz

### Storage

Celeron J6412	1 x M.2 B-Key 2242/2280 SATA SSD
Core i3 / i5	1 x M.2 M-Key 2280 PCIe x4 SSD

### Rear Input / Output

1 x M12 8-pin for 2 x USB 2.0 with waterproof cover  
1 x M12 8-pin COM1, RS-232/422/485, default RS-232, with waterproof cover  
1 x M12 8-pin for LAN with waterproof cover  
1 x M12 3-pin for DC power with waterproof cover  
1 x power switch on the rear  
Option: (\*limit option, only two from the following options below)  
1 x M12 8-pin for 2 x USB 2.0 with waterproof cover\*  
1 x M12 8-pin for 1 x USB 3.2 with waterproof cover\*  
1 x M12 8-pin for 2nd LAN with waterproof cover\*  
1 x M12 8-pin 2nd COM, RS-232/422/485, default RS-232, with waterproof cover\*  
1 x M12 8-pin CAN, with waterproof cover\*  
1 x HDMI, with waterproof cover\*



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## Expansion

Expansion slot	1 x Full size mPCIe/mSATA (mPCIe as default, select by BIOS) 1 x NANO-SIM 1 x M.2 E-key 2230 (PCIe+USB) for optional WIFI/BT module
Expansion module	Option for RFID module design on the front side

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## Warranty and After Sales Support

Standard 1 year (option for 3 years)

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## Operating System

Windows 10 / 11  
Windows 10 IoT Enterprise  
Linux

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## Thin Client

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

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## Power Supply

+9V to +36V DC-input

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## Power Consumption

Max 34W

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## Mounting

VESA 100

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## Dimension and Weight

15.6"	H 225.4 x W 404.4 x D 64.5mm	5.1kg
21.5"	H 332.4 x W 540.4 x D 61.5mm	7.9kg

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## Accessories Included

AC to DC power adapter with M12  
USB Y-cable (from M12 to two USB female)

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## Accessories Optional

Stainless steel table stand  
Stainless steel wall mount with tilt  
Stainless steel tube mount  
Stainless steel swing arm  
M12 COM cable  
M12 USB 3.2 cable  
M12 LAN cable 3m / 10m /15m  
RFID reader module integrated in design  
WIFI / BT modul  
IP65 waterproof power adapter AC input +90 to +305V, DC output +24V, 60W, power cord type G (EU type) or B (US type)

