21.5” HMI Panel PC for Cleanroom – in-wall



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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THINMANAGER
A ROCKWELL AUTOMATION TECHNOLOGY









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Slim version 48mm depth





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Model 2 & 4

Highlights

HMI PC for in-wall mounting in cleanroom. Save valuable space and service cost without breaking the cleanroom sealing.
Slim version 48 mm for thin cleanroom wall. Very easy to clean and disinfect due to the flat, smooth stainless steel front. Withstands all known cleaning agents and disinfectants.

Cutting-edge touch technology works with gloves improving workflow and productivity. A typical use case would be three layers of gloves, one layer of cotton gloves and two layers of nitrile/latex or silicone gloves. It is also possible to combine with thicker safety gloves. The multi touch display provides auto calibration for seamless operation.

Blue Line’s HMIs are designed for 24/7 operation, with a low power consumption, passive cooling and without moving parts for maximum operational reliability.

Available as monitor or with integrated PC. Mounting is possible in walls, machines and control cabinets. Blue Line’s modular design makes it possible to configure fully to specific requirements to functionality, finish and environment.

Wall mounted keyboard is optional.

Blue Line’s modular design makes it possible to configure to specific needs in functionality, finish and environment. Get free advice from our experts and let us set up a Teams meeting for an online demo and Q&A. Benefit from our experience and knowledge based on numerous installations in biotech and pharmaceutical sites around the world.

• Developed for pharmaceutical cleanrooms

• Cleanroom in-wall integration / panel mount

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21.5” HMI Panel PC for Cleanroom – in-wall

- Slim version available 48 mm depth
- Stainless steel AISI 304 / 316L
- Easy to clean & disinfect
- Suitable for selected cleanroom cleaning agents and disinfectants
- Designed for GMP and FDA environments
- 21.5“ PCAP multi touch display
- Can be operated with up to 3 layers of cleanroom gloves
- Full HD resolution 1920 x 1080
- IP65 dust and waterproof
- Integrated PC / client
- Fanless operation
- Optional Nymi ready - integrated reader
- ThinManager support
- Windows 10 / 11 & Linux
- Wide range of options: USB, LAN, serial, reset
- Long product life cycle
- Customisation according to your requirements

Specifications

Model Type

HMI Panel PC for in-wall mounting

Construction

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

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Cooling

Fanless

Ingress Protection

IP65

Environment

Operating temperature	0°C to +50°C
Storage temperature	-30°C to +70°C
Humidity	10 to 90% @ 40°C, non-condensing

Certification

CE

Display

21.5"	1920 x 1080, 16:9, FHD	LCD panel

Touch

Projected capacitive multi touch (supports gloves)

Brightness

300 nits

Viewing Angle

178/178

Processor

Intel Celeron J6412 4C/4T, 2.0GHz (Turbo 2.6GHz)

Chipset

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Integrated SoC

RAM

Celeron J6412

Max 32GB

Storage

1 x SSD up to 2TB

Front Input / Output

Option for:

USB 2.0 ports
COM ports
Reset
All connectors come with waterproof cap
Nymi ready - integrated reader

Rear Input / Output

1 x Gbe LAN (2 x LAN optional)
1 to 4 x USB 2.0 ports
COM ports optional
1 x Power input
All connectors come with waterproof cap

Expansion

1 x MiniPCIe slot (internal)

Operating System

Windows 10 / 11
Windows 10 / 11 IoT Enterprise
Linux

Thin Client

Available as ThinManager® Ready with integrated Blue Line FPC-3100 client

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Dual boot with Windows and ThinManager® is available upon request

Power Supply

+90V to +264v AC-input

Option +10V to 36V DC-input

Power Consumption

Max 40W

Mounting

In-wall / panel mount

Dimension and Weight

21.5"	H 411 x W 588 x D 79mm (depth 75mm from front wall)	13kg
Slim version	H 406 x W 557 x D 52mm (depth 48mm from front wall)	10kg

Warranty and After Sales Support

Standard 1 year (option for 3 years)

Ordering Information

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