

21.5" HMI Panel PC for Cleanroom – in wall



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

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.

- Life Science / GMP / FDA environment
- Cleanroom in-wall integration / panel mount
- Slim version available 48 mm depth
- Stainless steel AISI 304 / 316L
- Easy to clean & disinfect
- Withstands all known detergents: iso-propyl alcohol, non-deionized water, VHP, Spor-Klenz™, Klercide, Actisan, LpH®, Vesphene® and more
- Meets all cleanroom, GMP and FDA requirements
- 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 7 / 8 / 10 / 11
- Wide range of options: USB, LAN, serial, reset
- Long product life cycle
- Customisation according to your requirements



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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

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 / FCC CLASS A

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 Atom Bay Trail E3845 4C/4T, 1.9GHz
Intel Celeron J6412 4C/4T, 2.0GHz (Turbo 2.6GHz)

Chipset

Integrated SoC

RAM

Atom E3845 Onboard 4GB DDR3L 1600MHz (option for 8GB)
Celeron J6412 1 x DDR4 SO-DIMM socket, max 32GB 3200MHz

Storage

1 x 2.5" SSD

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 7 / 8 / 10 / 11*
Windows Embedded 7 / 8
Windows 10 / 11 IoT Enterprise
Linux
*(Intel Atom E3845 CPU do not support Windows 11)

Thin Client

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

Power Supply



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+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

1563

