

## 21.5" HMI Panel PC for Cleanroom – in wall

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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

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.

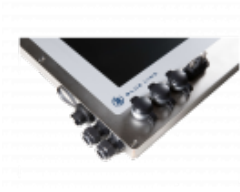
Cutting-edge touch technology works with gloves improving workflow and productivity. A typical use case would be three layers of gloves, one layer of cotton gloves and two layers of nitrile/latex or silicone gloves. It is also possible to combine with thicker safety gloves. The multi touch display provides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

- 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
- ThinManager support
- Windows 7 / 8 / 10
- 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
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### Touch

Projected capacitive multi touch (supports gloves)

### Brightness

300 nits

### Viewing Angle

178/178

### Processor

Intel Atom Bay Trail E3845 quad core, 1.9GHz

### Chipset

Integrated SoC

### RAM

4GB DDR3L onboard  
1 x 4 to 8GB DDR3L SO-DIMM

### Storage

1 x 2.5" SSD

### Front Input / Output

Option for: USB 2.0 ports  
COM ports  
Reset  
All connectors come with waterproof cap

### 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  
Windows Embedded 7 / 8  
Windows 10 IoT Enterprise  
Linux

### Thin Client

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

### Power Supply

+90V to +264v AC-input  
Option +10V to 36V DC-input

### Power Consumption

Max 40W

### Mounting

In-wall / panel mount



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## Dimension and Weight

21.5"	H 411 x W 588 x D 79mm	13kg
Slim version	H 411 x W 588 x D 48mm	10kg

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## Warranty and After Sales Support

Standard 1 year (option for 3 years)

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## Ordering Information

1563

