

# 19" Operator Station for Cleanroom - integrated pc

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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

All-in-one stainless steel HMI with integrated touch or membrane keyboard for operation in cleanroom. Very easy to clean and disinfect due to smooth sides, rounded edges and a flat, smooth front. Crafted from AISI 316L stainless steel withstanding all known cleaning agents and disinfectants.



Both the display and the keyboard are based on cutting-edge technology that works with gloves. 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.

If you choose touch keyboard, the sensitivity is adjustable to suit the number of layers of gloves. This unique technology is chosen by most of the leading pharmaceutical manufacturers, because traditional keyboards break down and cannot be cleaned completely thus compromising regulatory requirements.

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, thin client or KVM. Blue Line's modular design makes it possible to configure fully to specific requirements to functionality, finish and environment.

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
- Stainless steel AISI 316L
- Integrated touch or membrane keyboard
- 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
- 19" PCAP multi touch display
- Operable with up to 3 layers of cleanroom gloves
- Display resolution 1280 x 1024
- IP65 dust and waterproof
- Integrated PC / client
- Option for integration of customers client
- Fanless operation
- ThinManager support
- Windows 7 / 8 / 10
- Wide range of options: USB, LAN, serial, reset, barcode reader
- Wall mount
- Long product life cycle
- Customisation according to your requirements



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## Specifications

### Model Type

HMI stainless steel PC with integrated keyboard

### 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

19" 1280 x 1024, 5:4, SXGA TFT LCD panel

### Touch

Projected capacitive multi touch (supports gloves)

### Brightness

300 nits

### Viewing Angle

160/160

### Keyboard

Touch keyboard

103 keys

Flat glass capacitive touch surface (supports gloves)

Capacitive touchpad

Numeric keypad

DIN 42115 chemical resistance

Various language layouts available

Membrane keyboard

105 keys

Robust polyester front foil with key embossment

Capacitive touchpad

Chemical, abrasion and scratch resistant frontsheet

Various language layouts available

### 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  
Barcode reader  
All connectors come with waterproof cap

### Rear Input / Output



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

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## Operating System

Windows 7 / 8 / 10  
Windows Embedded 7 / 8  
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

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

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## Power Consumption

Max 40W

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## Mounting

Wall mount

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## Dimension and Weight

19"	H 550 x W 566.2 x D 300mm	22kg
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## Warranty and After Sales Support

Standard 1 year (option for 3 years)

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## Ordering Information

1050



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