

# 21.5" HMI Monitor with Keyboard for Cleanroom

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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 stainless steel HMI with keyboard for cleanroom operation. Very easy to clean and disinfect due to smooth sides, rounded edges and a flat, smooth front. Withstands almost all cleaning agents and disinfectants.



Both the display and the keyboard are based on cutting-edge touch 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 touch display provides auto calibration for seamless operation.



The sensitivity of the touch keyboard is adjustable to suit the number of layers of gloves and this technology is chosen by 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 low power consumption, passive cooling and without moving parts for maximum operational reliability.

Available as monitor or with integrated PC, thin client or KVM. Mounting is possible on wall, machine as well with a large range of supporting arms. Blue Line's modular design makes it possible to configure fully to specific requirements to function, finish and environment.

- Life Science / GMP / FDA environment
- Stainless steel AISI 304 or 316L
- Adjustable hinged glass keyboard
- Easy to clean & disinfect
- Withstands tough detergents: iso-propyl alcohol, non-deionized water, VHP, Spor-Klenz™, Klercide, Actisan, LpH®, Vesphene® and more
- Meet all cleanroom, GMP and FDA requirements
- 21.5" PCAP touch display
- Can be operated with up to 3 layers of cleanroom gloves
- IP65 proof
- Full HD resolution 1920 x 1080
- Monitor
- Option for KVM extender
- Fanless operation
- Wide range of options: USB, COM and reset
- Flexible mounting VESA / wall / pipe / swivel arm / gas arm
- Long product life cycle
- Customisation according to your requirements



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## Specifications

### Model Type

HMI stainless steel operator touch monitor with hinged keyboard

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

### Construction

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

### Rear Input / Output

1 x HDMI / optional 1 x VGA  
1 to 4 x USB 2.0 ports  
COM ports optional  
1 x Power input  
All connectors come with waterproof cap

### Ingress Protection

IP65

### Power Supply

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

### Environment

Operating temperature 0°C to +50°C

### Power Consumption

Max 40Watt

### Certification

CE  
FCC (optional)

### Mounting

Tube / wall / pipe / pole  
VESA 100  
Other options available according to requirements

### Display

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

### Dimension and Weight

21.5" H 364 x W 573 x D 323mm 18.2kg

### Touch

Projected capacitive multi touch (support gloves)

### Accessories Optional

Mounting plate for handheld barcode scanner

### Brightness

300 nits

### Warranty and After Sales Support

Standard 1 year (option for 3 years)

### Viewing Angle

178/178

### Ordering Information

1562

### Keyboard

Adjustable hinged keyboard  
103 keys  
Flat glass capacitive touch surface (support gloves)  
Capacitive touchpad  
Numeric keypad  
DIN 42115 chemical resistance  
Various language layouts available

### Front Input / Output

