21.5” Operator Station for Cleanroom - integrated pc





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
- Flexible mounting wall / pipe / swivel arm
- 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

Certification

CE / FCC CLASS A

Display

21.5"	1920 x 1080, 16:0, FHD	LCD

Touch

Projected capacitive multi touch (supports gloves)

Brightness

250 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
	Reset
	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

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

90 to 264V AC (optional 10V to 36V DC)

Power Consumption

Max 40W

Mounting

Wall / top / pipe
Other options available according to requirements

Dimension and Weight

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

Warranty and After Sales Support

Standard 1 year (option for 3 years)

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