HMI Panel PC with Keyboard for Cleanroom



BLUE LINE
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark
T +45 8678 5000 | www.blue-line.com

HMI Panel PC with Keyboard for Cleanroom





BUILT BY BLUE LINE

Engineered for
ThinManager® environments

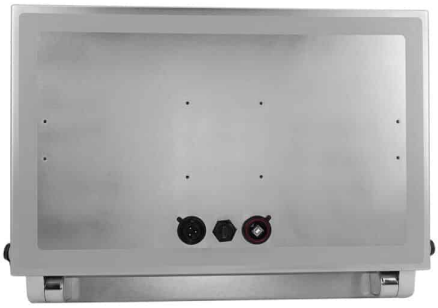


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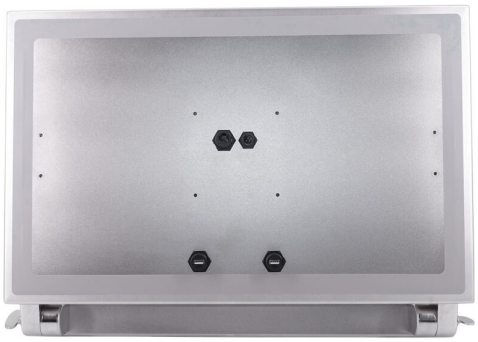


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Highlights

Elegant stainless steel HMI available with either touch or membrane keyboard for cleanroom operation. Very easy to clean and disinfect due to smooth sides, rounded edges and a flat, smooth front. Withstands 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

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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 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 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.

- Developed for pharmaceutical cleanrooms
- Stainless steel AISI 304 or 316L
- 21.5“ and 24" PCAP multi touch display
- Adjustable hinged touch or membrane keyboard
- Easy to clean & disinfect
- Designed for use with selected cleanroom cleaning agents and disinfectants
- Designed for GMP and FDA environments
- Operable 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 10 / 11 & Linux
- Wide range of options: USB, LAN, serial, reset

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HMI Panel PC with Keyboard for Cleanroom

- Flexible mounting VESA / wall / pipe / swivel arm / gas arm
- Long product life cycle
- Customisation according to your requirements

Specifications

Model Type

HMI stainless steel Panel PC with 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

Display

21.5"	1920 x 1080, 16:9, FHD	LCD panel
24”	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

Keyboard

Touch keyboard

Processor

Intel Celeron J6412 4C/4T, 2.0GHz (Turbo 2.6GHz)

Intel Core i5 8365UE

Chipset

Integrated SoC

RAM

Celeron J6412	Max 32GB
Core i5-8365UE	Max 32GB

Storage

1 x SSD up to 2TB

Front Input / Output

Option for:

- USB ports
- COM ports
- Reset
- All connectors come with waterproof cap
- Nymi ready - integrated reader

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HMI Panel PC with Keyboard for Cleanroom

Rear Input / Output

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

Expansion

WIFI/Bluetooth (optional)

Operating System

Windows 10 / 11
Windows 10 / 11 IoT Enterprise
Linux

Thin Client

Available as ThinManager® Ready with integrated Blue Line FPC-3100 client
Dual boot with Windows and ThinManager® is available upon request

Power Supply

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

Power Consumption

Max 40W

Mounting

VESA 100
Stainless steel supporting arm
Stainless steel tube mount
Stainless steel desktop stand
Other options available according to requirements

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Dimension and Weight

21.5"	H 364 x W 573 x D 323mm	18.2kg
24"	H 458 x W 590 x D 325	

Accessories Optional

Mounting plate for handheld barcode scanner

Stainless steel keyboard shelf

Warranty and After Sales Support

Standard 1 year (option for 3 years)

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