

















## **Highlights**

Elegant stainless steel HMI with integrated PC for life science environments in a design and construction easy to clean and disinfect. Withstands all known cleaning agents and disinfectants.

Projective multi 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. 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.

When you combine Blue Line's HMIs with a supporting arm, the cables are hidden in the supporting arm, thus preventing the accumulation of bacteria.

If the product does not fully meet the requirements, Blue Line has the capability 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.

- HMI for Life Science / GMP / FDA environment
- Fully sealed enclosure in stainless steel AISI 304 or 316L
- IP66 water and dustproof
- · Easy to clean and keep sterile
- Withstands all known cleaning agents and disinfectants
- 15.6", 21.5" or 24" display size (option for other sizes)
- Full HD resolution 1920 x 1080
- Projective capacitive multi touch
- Supports operation with gloves
- Integrated PC with Intel Core i3 / i5 / Celeron
- Fanless operation for maximum reliability
- Supports Windows 10 / 11
- ThinManager support
- Flexible mounting for wall, desktop, supporting arms etc.
- Cables are hidden within supporting arm

## **Specifications**

#### **Model Type**



HMI stainless steel Panel PC

#### Construction

Fully sealed enclosure in stainless steel AISI 304 or 316L

#### Cooling

**Fanless** 

#### **Ingress Protection**

IP66 water and dustproof

#### **Environment**

Operating temperature  $0^{\circ}\text{C to } +50^{\circ}\text{C}$ Storage temperature  $-30^{\circ}\text{C to } +70^{\circ}\text{C}$ 

Humidity 10 to 90% @ +40°C, (non- condensing)

#### Certification

CE / FCC CLASS A

#### **Display**

21.5" 1920 x 1080, 16:9, FHD color TFT LCD 24" 1920 x 1080, 16:9, FHD color TFT LCD

#### Touch

Projected capacitive multi touch (supports gloves)

No touch (optional)

Optical bonding (optional)

#### **Brightness**

21.5" 300 nits 24" 250 nits



Colors	
16.7M	
Viewing Angle	
160/160 - 178/178	
Processor	
21.5"	Intel Celeron J6412 4C/4T 2.0GHz (Turbo 2.6GHz)
21.5" & 24"	Intel 8th gen. Core i3-8145UE 2C/4T 2.2GHz (Turbo 3.9GHz)
24"	Intel 8th gen. Core i5-8365UE 4C/8T 1.6GHz (Turbo 4.1GHz)
Chipset	
Integrated SoC	
RAM	
Celeron J6412	1 x DDR4 SO-DIMM socket, max 32GB 3200MHz
8th Gen Core i3/i5	2 x DDR4 SO-DIMM socket, max 64GB 2400MHz
Storage	
Celeron & Core CPU	1 x 2.5" SATA HDD / SSD
Core	1 x M.2 B-Key 2280 SATA/PCIe
Rear Input / Output	
2 x USB 2.0 (IP68)	
1 x GbE LAN (IP68)	
1 x DC power (IP68)	

Touch on/off button on the side edge for hygienic cleaning

**Special Function** 



**Operating System** 

Supports Windows 10 / 11

Supports Linux

**Thin Client** 

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

**Power Supply** 

+9V to +36V DC-input

**Power Consumption** 

Max 42W

#### Mounting

VESA 100 (I/O ports in center)

Stainless steel supporting arm

Stainless steel tube mount

Stainless steel desktop stand

Stainless steel yoke mount

#### **Dimension and Weight**

21.5" H 362 x W 571 x D 55mm 10kg 24" H 423 x W 656 x D 53mm 12.6kg

#### **Accessories Included**

AC to DC power adapter with M12

#### **Accessories Optional**

Stainless steel scanner bracket

Cleanroom mouse

Cleanroom keyboard

Combine with Mobile Operator Station



Other options available according to requirements			
Warranty and After Sales Support			
Standard 1 year (option for 3 years)			
Ordering Information			
2520			