

Waterproof HMI Panel PC 7500 Series



Highlights

A waterproof stainless steel HMI Panel PC for industries with extensive cleaning and spray down. The fully sealed enclosure is IP66 dust and waterproof as well as IP69K high pressure proof that exceeds NEMA 4X rating enabling the market's fastest and most complete cleaning.

Designed for 24/7 operation, with low power consumption, passive cooling and without moving parts for maximum operational reliability. Screen sizes from 10" to 24" with auto-calibrated multi touch technology for seamless operation.

Reduce cost and time spending with our global partner model based on your specific requirements. Let Blue Line take responsibility for delivery on time. Blue Line's ultimate goal is to help our customers get peace of mind by handling all relevant details such as securing the right configuration, software setup, mounting, packaging, labeling etc. Ask for references from your industry.



- Waterproof HMI Panel PC for Food / Life Science / Chemical
- IP69K high pressure waterproof PC
- Stainless steel AISI 304 or 316L
- 10" to 24" multi touch display
- Up to full HD resolution 1920 x 1080
- Touch on/off button on the side
- Integrated PC / client
- Intel Core i3 / i5 / Celeron
- Fanless operation
- ThinManager support
- Windows 7 / 8 / 10 / 11
- Flexible VESA mounting
- Large range of options



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.

Waterproof HMI Panel PC 7500 Series

Specifications

Model Type

HMI stainless steel Panel PC

Construction

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

Cooling

Fanless

Ingress Protection

IP66/IP69K

Environment

Operating temperature 0°C to +50°C
(For sizes 10", 12", 15", 15.6", 17", 19"
option for -20°C to +60°C)
Storage temperature -30°C to +70°C
Humidity 10 to 90% @ +40°C, (non- condensing)

Certification

CE / FCC CLASS A

Display

| | | |
|-------|---------------------------------------|---------------|
| 10.1" | 1280 x 800, 16:10, WXGA | color TFT LCD |
| 12.1" | 800 x 600, 4:3, SVGA | color TFT LCD |
| 15" | 1024 x 768, 4:3, XGA | color TFT LCD |
| 15.6" | 1366 x 768, 16:9, HD (option for FHD) | color TFT LCD |
| 17" | 1280 x 1024, 5:4, SXGA | color TFT LCD |
| 19" | 1280 x 1024, 5:4, SXGA | color TFT LCD |
| 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)
Anti Shatter Film for projected capacitive multi touch (optional)
Resistive touch (optional)
No touch (optional)
Optical bonding (optional)

Brightness

| | |
|-----------|--------------------------------------|
| 10.1" | 350 nits |
| 12.1" | 450 nits |
| 15" | 420 nits |
| 15.6" | 300 nits |
| 17" | 350 nits |
| 19" | 350 nits |
| 21.5" | 300 nits |
| 24" | 250 nits |
| All sizes | Option for high brightness 1000 nits |

Colors

16.7M

Viewing Angle

160/160 - 178/178

Processor

| | |
|--------------|--|
| 10.1" to 24" | Intel Celeron N2930 4C/4T 1.83GHz Intel Celeron J6412 4C/4T 2.0GHz |
| 15" to 24" | Intel Core i3-8145UE 2C/4T 2.2GHz Intel Core i5-8365UE 4C/8T 1.6GHz |

Chipset

Integrated SoC

RAM

| | |
|---------------------|---|
| Intel Celeron N2930 | Onboard 4GB DDR3L (option for 8GB) |
| Intel 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 |



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Storage

| | |
|--------------------|------------------------------|
| Celeron & Core CPU | 1 x 2.5" SATA HDD / SSD |
| Celeron J6412 | 1 x M.2 B-Key 2242 SATA |
| 8th Gen Core i3/i5 | 1 x M.2 B-Key 2280 SATA/PCIe |

| | |
|---------------|----------------|
| 10.1" to 17" | VESA 75 |
| 19" and 21.5" | VESA 100 |
| 24" | VESA 200 x 100 |
| All sizes | Yoke |

Rear Input / Output

- 1 x M12 8pin for LAN
- 1 x M12 8pin for 2 x USB 2.0 (option for USB 3.0)
- 1 x M12 3pin for DC power
- 1 x M12 8pin for COM1/RS-232/422/485
- 1 x Power switch
- All connectors come with waterproof cap

Expansion

| | |
|------------------------------------|---|
| Celeron & Core | 1 x Mini PCIe slot for WIFI/BT (optional) |
| Celeron J6412 & 8th Gen Core i3/i5 | 1 x M.2 E-Key 2230 |

Special Function

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

Operating System

- Windows 7 / 8 / 10 / 11*
- Windows 10 IoT Enterprise
- Linux
- *Celeron N2930 don't support Windows 11

Thin Client

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

Power Supply

- +9V to +36V DC-in by M12 3-pin

Power Consumption

- Max 43W

Mounting

Dimension and Weight

| | | |
|-------|--------------------------|--------|
| 10.1" | H 220 x W 300 x D 53mm | 4kg |
| 12.1" | H 265 x W 335 x D 53mm | 5kg |
| 15" | H 324 x W 399 x D 53mm | 7.4kg |
| 15.6" | H 290 x W 440 x D 55mm | 7kg |
| 17" | H 358 x W 432 x D 55.3mm | 8kg |
| 19" | H 388.6 x W 470 x D 60mm | 9.5kg |
| 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
- USB Y-cable (From M12 to two USB female)

Accessories Optional

- Stainless steel table stand (only available for 15" to 21.5")
- Stainless steel yoke mount
- Stainless steel wall mount with tilt
- Stainless steel tube mount
- M12 LAN cable 3m / 10m /15m
- RFID reader module integrated in design
- WIFI / BT modul
- 2 x Optional M12 Connector for 2 x USB 2.0 or 1 x USB 3.0 or 1 x LAN or 1 x PoE LAN or 1 x COM or 1 x CAN
- IP65 Waterproof power adapter AC input +90 ~ +305V, DC output +24V, 60W, power cord type G (EU type) or B (US type)

Warranty and After Sales Support

- Standard 1 year (option for 3 years)

Ordering Information

- 507-1



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