

ATEX-Ex HMI Panel PC 7000 series



Highlights

Explosion-proof HMI Panel PC, which complies with ATEX and IEC Ex standards. Crafted from AISI 316L acid resistant stainless steel in a rugged fully encapsulated sealed cabinet that is easy to keep clean. Perfect for environments requiring ultimate protection: Life science, pharmaceutical, oil, gas, and chemical industries.

Besides the ATEX-Ex rating, this HMI Panel PC is designed to withstand dust, water and cleaning. Obtain 24/7 operational reliability with low power consumption, passive cooling and no moving parts. Available in screen sizes from 15" to 21,5" with auto-calibrated touch technology.

Optimise the workflow as well as safety, comfort and security. Achieve a significant return on investment and a competitive solution with Blue Line's quality products.

- HMI/Panel PC for Explosive Environment
- ATEX & IECEx
- Stainless Steel AISI 316L
- Display size 15" to 21.5"
- Projected Capacitive Touch
- Full HD resolution 1920 x 1080
- Operation with gloves
- IP66 water and dustproof
- Withstand tough detergents
- Integrated PC with Intel Core i3 / i5 / Celeron
- Fanless operation
- Windows 7 / 8 / 10
- VESA / Panel mount
- Flexible mounting wall / pipe / swivel arm / gas arm



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.

ATEX-Ex HMI Panel PC 7000 series

Specifications

Model Type

HMI stainless steel Ex panel PC

Construction

Acid resistant AISI316L stainless steel chassis

Cooling

Fanless

Ingress Protection

IP66

Environment

Operating temperature -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

ATEX Zone2 Ex nA ic IIC T4 Gc

Class I, Division2, Group ABCD T4

ANSI/ISA 12.12.01-2013

CSA Std. C22.2 No213-1987

Display

15"	1024 x 768, 4:3, XGA	color TFT LCD
15.6"	1920 x 1080, 16:9, FHD	color TFT LCD
19"	1280 x 1024, 5:4, SXGA	color TFT LCD
21.5"	1920 x 1080, 16:9, FHD	color TFT LCD

Touch

Projected capacitive touch (support gloves)

Brightness

15"	450 nits (option for 1000 nits)
15.6"	400 nits
19"	350 nits (option for 1000 nits)
21.5"	300 nits

Colors

Max. 16.7M

Viewing Angle

15"	160/150
15.6"	160/140
19"	170/160
21.5"	178/178

Processor

Intel Celeron N2930 1.83GHz, 4/8GB

Intel Core i5-6300U 2.4GHz, 4GB to 16GB

Chipset

Integrated SoC

RAM

Celeron N2930 Processor 4GB / 8GB DDR3L for SO-DIMM

Core i5 Processors 4GB / 8GB / 16GB DDR4 SO-DIMM

Storage

1 x 2.5" SATA HDD / SSD

1 x mSATA

1 x Internal SD Card

Rear Input / Output

1 x M12 8pin for 2 x USB 2.0 with waterproof cap

1 x M12 8pin for COM1 / RS-232/422/485 (default RS-232) with waterproof cap

1 x M12 8pin for LAN with waterproof cap

1 x M16 3pin for DC power with waterproof cap

Expansion

WiFi/Bluetooth (optional)

Operating System

Windows 8 / 10 / 10 IoT

Thin Client

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



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Power Supply

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

Power Consumption

15"	max 59.5W
15.6"	max 53.4W
19"	max 53.4W
21.5"	max 52W

Mounting

VESA 100
Panel mount

Dimension and Weight

15"	Outer: H 324 x W399 x D 70mm Cut-out: H 292 x W 367mm	9.8kg
15.6"	Outer: H 290 x W 440 x D 75mm Cut-out: H 262 x W 412mm	10.5kg
19"	Outer: H 388.6 x W 470 x D 75mm Cut-out: H 356.6 x W 438mm	13.4kg
21.5"	Outer: H 362 x W 571 x D 75.1mm Cut-out: H 330 x W 539mm	12.6kg

Accessories Included

1 x M12 for 2 x USB 2.0 (Y-cable from M12 to two USB female)
2 x M12 LAN, 1 x M12 COM, 1 x VGA
1 x 3pin power input (w/o power adapter)

Accessories Optional

Bluetooth wireless modul 802.11bgn og 4.0 ex antennas
Stainless steel wall mount with tilt
Panel mount kit

Warranty and After Sales Support

Standard 1 year (option for 3 years)

