

# 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 multi 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.

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.

- HMI/Panel PC for Explosive Environment
- ATEX & IECEx
- Stainless Steel AISI 316L
- Display size 15" to 21.5"
- Projected capacitive multi 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
- ThinManager support
- VESA / Panel mount



**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

ATEX / IECEx Zone2 Ex nA ic IIC T4 Gc  
ATEX / IECEx Zone22 Ex tc IIIC T135°C Dc  
EN 60079-0:2012/A11:2013  
EN 60079-11:2012  
EN 60079-15:2010  
EN 60079-31:2014  
EN 60079-0:2018  
CE/FCC Class A  
CSA Std. C22.2 No213-1987  
Class I, Division2, Groups A-B-C-D, T4  
Class II, Division2, Groups F-G, T135°C  
Class III  
ANSI/ISA 12.12.01-2013

### 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 multi touch (supports 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  
Intel Core i5-6300U 2.4GHz

### Chipset

Integrated SoC

### RAM

Celeron N2930 Processor	8GB DDR3L for SO-DIMM
Core i5 Processors	16GB DDR4 SO-DIMM

### Storage

1 x 2.5" SATA HDD / SSD  
1 x mSATA  
1 x Internal SD Card

### Rear Input / Output



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)

# ATEX-Ex HMI Panel PC 7000 series

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 M12 3pin for DC power with waterproof cap

## Expansion

WiFi/Bluetooth (optional)

## 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

+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 W 399 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 to 2 x USB 2.0 (Y-cable - two USB female) 3m cable  
1 x M12 to LAN (RJ-45 Male) 3m cable  
1 x M12 to VGA (DSUB P19 Male) 3m cable  
1 x M12 to COM (DSUB P9 Male) 3m cable  
1 x M12 to 3pin power input (w/o power adapter) 1m cable

## Accessories Optional

Bluetooth wireless modul 802.11bgn og 4.0 ex antennas  
Stainless steel wall mount with tilt  
Panel mount kit  
M12 to LAN (RJ-45 Male) 10m cable  
M12 to VGA (DSUB P19 Male) 10m cable  
M12 to COM (DSUB P9 Male) 10m cable  
M12 to 3pin power input (w/o power adapter) 10m cable

## Warranty and After Sales Support

Standard 1 year (option for 3 years)

## Ordering Information

2901~04



**BLUE LINE**  
IT for Demanding Environments

Blue Line A/S | Kappa 8 | 8382 Hinnerup, Denmark  
T +45 8678 5000 | [www.blue-line.com](http://www.blue-line.com)