ATEX-Ex HMI Panel PC 7000 Series



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

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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.

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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

Specifications

Model Type

HMI stainless steel Ex Panel PC

Construction

Acid resistant AISI316L stainless steel chassis

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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

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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

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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 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

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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

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