

BL2 PPC AIO65 7000 - Panel PC



1138367

<https://www.phoenixcontact.com/pc/products/1138367>

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Full IP65 industrial PC with Intel® Core™ i5-7442EQ processor and multi-touch capacitive full HD display. Designed for for VESA, pole, or arm mounting.

Product description

The BL2 PPC AIO65 IPC is fully enclosed IP65 IPC with display that utilizes the Intel® processors chosen for their balance of processing power, graphic performance, and energy efficiency. The robust design with arm or pole mounting options and I/O capability make the BL2 PPC AIO65 a product that can be used in a wide variety of applications.

Your advantages

- Full IP65
- Multi-touch touch screen
- Widescreen display
- Rugged housing for IP65 environments
- LED backlight
- VESA, pole, or arm mounting options
- Optional power button
- Configurable

Commercial data

Item number	1138367
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DRBABC
Weight per piece (including packing)	500 g
Weight per piece (excluding packing)	1,008 g
Customs tariff number	84714100
Country of origin	TW

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Technical data

Notes

Assembly note	Arm/pole mount [A24] option is required to use the stack light, pushbuttons, and pole mounting.
Recommendation	Screen protectors for glare reduction or improved sunlight readability are available at https://www.nushield.com

Note on application

Note on application	Only for industrial use
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Product properties

Product type	Panel PC
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Computer data

Processor	Intel® Core™ i5-7442EQ 2.1/2.9 GHz
Operating system	without operating system Windows® 10 IoT Enterprise LTSC 2019 (64-bit), Multi-language
RAM	8 GB DDR3 SODIMM 16 GB DDR3 SODIMM
Data storage system	Configurable

Display

Display type	39.6 cm / 15.6"-TFT 47 cm / 18.5" TFT 54.6 cm / 21.5"-TFT
Screen resolution	1920 x 1080 Pixel(s) (Full HD)
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
MTBF	> 50000 h
Color spectrum	16.2 million colors

System properties

User software	without user software Visu+
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Electrical properties

Service life of battery	5 years (typical)
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Real-time clock

Realtime clock	Yes (battery-backed)
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Connection data

Power supply

Connection method	COMBICON
Conductor cross section, rigid	0.2 mm² ... 2.5 mm²

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Conductor cross section, flexible	0.2 mm² ... 2.5 mm²
Conductor cross section AWG	20 ... 12

Interfaces

Interfaces	1x COM (RS-232/422/485)
	2x USB 2.0
	2x USB 3.0
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-AT

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	0 °C ... 45 °C (with mSATA)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	1g with SSD, 0.5g with HDD, according to EN 60068-2-6

Mounting

Mounting type	VESA holder
	Bernstein holder
Holder system	VESA MIS-D 100 C
	Bernstein CS-3000

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Approvals

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IECEE CB Scheme
Approval ID: US-38532-UL



UL Listed
Approval ID: E238705



cUL Listed
Approval ID: FILE E 238705

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	19200103
ECLASS-12.0	19200103
ECLASS-13.0	19200103

ETIM

ETIM 9.0	EC001414
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UNSPSC

UNSPSC 21.0	43211500
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a), 7(c)-I
China RoHS	
Environment friendly use period (EFUP)	EFUP-10
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)

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Accessories

BL2 AIO65 18.5 PB BOX BRACKET - Mounting material

1160205

<https://www.phoenixcontact.com/pc/products/1160205>



Bracket required to mount AIO65 pushbutton box to 18.5-inch system for use with BL2 AIO65 configurations with [A24] arm/pole mount option.

BL2 AIO65 9 PB BOX - Housing

1160210

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9-hole pushbutton box for use exclusively with BL2 AIO65 configurations with arm/pole mount option [A24]. Not compatible with [A09] VESA mount option.

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BL2 AIO65 15.6 PB BOX BRACKET - Mounting material

1160212

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Bracket required to mount AIO65 pushbutton box to 15.6-inch system for use with BL2 AIO65 configurations with [A24] arm/pole mount option.



BL2 240 GB MSATA (3D TLC) KIT - Memory

1163243

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240 GB mSATA mass storage kit



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BL2 120 GB MSATA (3D TLC) KIT - Memory

1163244

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120 GB mSATA mass storage kit



BL2 960 GB MSATA (3D TLC) KIT - Memory

1163269

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960 GB mSATA mass storage kit



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BL2 480 GB MSATA (3D TLC) KIT - Memory

1163447

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480 GB mSATA mass storage kit



BL2 60 GB MSATA (3D TLC) KIT - Memory

1163689

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60 GB mSATA mass storage kit



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BL2 AIO65 STACKLIGHT COVER - Signal light

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BL2 AIO65 CS-3000 ADAPTER - Mounting material

1201506

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Bernstein CS-3000 mounting system adaptor for BL2 AIO65



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BL2 AIO65 48MM ADAPTER - Mounting material

1201505

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48 mm pole mounting adapter for BL2 AIO65



VISU+ IPC UPGRADE - Visualization software

1310994

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Visu+ IPC UPGRADE product is a made-to-order upgrade to the Visu+ HMI runtime that was originally ordered with your Phoenix Contact IPC system.

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BL2 AIO65 21.5 PB BOX BRACKET - Mounting material

1160211

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Bracket required to mount AIO65 pushbutton box to 21.5-inch system for use with BL2 AIO65 configurations with [A24] arm/pole mount option.



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