

# BL2 PPC 3100 - Panel PC



1105781

<https://www.phoenixcontact.com/us/products/1105781>

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IP66-rated, fanless industrial panel PC (PPC) with projected capacitive (PCAP) touch screen and energy-efficient Intel® Core™ i3-6100U processor with 8 GB of RAM and M.2 mass storage

## Commercial data

Item number	1105781
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR12
Product key	DRBABB
Weight per piece (including packing)	8,030 g
Weight per piece (excluding packing)	5,842 g
Customs tariff number	84714100
Country of origin	TW

## Technical data

### Notes

#### 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™ i3-6100U
Operating system	Windows® 7
	Windows® 10 IoT Enterprise LTSC 2019 (64-bit), Multi-language
RAM	8 GB DDR3
Data storage system	M.2 SSD
Cooling	passive

#### Display

Display type	39.6 cm / 15.6"-TFT
	47 cm / 18.5"-TFT
	54.6 cm / 21.5"-TFT
Display formats	16:9
Touch technology	projective-capacitive (PCAP)
Display lighting type	LED
Brightness	Dependent on configuration
MTBF	50000 h

### System properties

User software	without user software
	Visu+

### Electrical properties

Service life of battery	5 years (typical)
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#### Supply

Power supply unit	24 V DC ±20 %
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#### Real-time clock

Realtime clock	Yes (battery-backed)
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### Interfaces

Interfaces	1x COM (RS-232/422/485)
	2x COM (RS-232)
	2x USB 2.0
	2x USB 3.0

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Monitor output	2x DisplayPort
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-AT

## Dimensions

Note on dimensions	Dimensions listed in user manual
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP66 (front), IP20 (back)
Ambient temperature (operation)	0 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 75 °C
Permissible humidity (operation)	10 % ... 90 % (non-condensing)
Permissible humidity (storage/transport)	10 % ... 90 % (non-condensing)
Shock	20g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	2g <sub>rms</sub> at sine, 5~500 Hz, 1 h/axis (panel mounting; SSD operating) according to EN 60068-2-6 0.5g <sub>rms</sub> at sine, 5~500 Hz, 1 h/axis (panel mounting; HDD operating) according to EN 60068-2-6

## Mounting

Mounting type	Front mounting
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## Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/1105781>



### IECEE CB Scheme

Approval ID: US-37343-M1-UL



### UL Listed

Approval ID: E238705



### cUL Listed

Approval ID: E238705

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## Classifications

### ECLASS

ECLASS-13.0

19200103

### ETIM

ETIM 9.0

EC001414

### UNSPSC

UNSPSC 21.0

43211500

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 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.)	1-Methyl-2-pyrrolidone (NMP)(CAS: 872-50-4)
	Lead(CAS: 7439-92-1)
	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one(CAS: 71868-10-5)

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Phoenix Contact USA  
 586 Fulling Mill Road  
 Middletown, PA 17057, United States  
 (+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)