

# EL PPC7 1000 - Panel PC



2701481

<https://www.phoenixcontact.com/sg/products/2701481>

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Fanless panel PC with IP65 protection (front) with 17.8 cm (7") graphics-capable LED/TFT display and configuration options for processor, data storage, and operating system.

## Commercial Data

Item number	2701481
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to Order (non-returnable)
Sales Key	*****
Product Key	DRBACB
Catalog Page	Page 30 (C-6-2017)
Weight per Piece (including packing)	1.1 kg
Weight per Piece (excluding packing)	1.1 kg
Customs tariff number	84715000
Country of origin	DE

## Technical Data

### Notes

General	UL/cUL Class I, Division 2, Groups A, B, C, and D is only applicable to devices in the EL PPC 1000 series with the Intel® Atom™ E3845 CPU (KMAT Option P23)
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### Product properties

Product type	Panel PC
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#### Computer data

Processor	AMD® Embedded G-Series (T40R), 1 GHz
	AMD® Embedded G-Series (T40E), 2x 1 GHz
	Intel® Atom™ E3845 1.91 GHz
Operating system	without operating system
	Windows® Embedded Standard 7
	Windows® Embedded Standard 7 SP1 (64-bit), Multi-language
	Windows® 7 Professional SP1 (32-bit), English
	Windows® 7 Professional SP1 (64-bit), English
	Windows® 10 IoT Enterprise LTSB 2015 (32-bit), Multi-language
	Windows® 10 IoT Enterprise LTSB 2015 (64-bit), Multi-language
	Windows® 10 IoT Enterprise LTSB 2016 (32-bit), Multi-language
Windows® 10 IoT Enterprise LTSB 2016 (64-bit), Multi-language	
Cooling	passive
RAM	2 GB DDR3
	4 GB DDR3
Data storage system	SATA DOM SSD (SLC), 8 GB
	SATA DOM SSD (SLC), 16 GB
	SATA DOM SSD (SLC), 32 GB
	SATA DOM SSD (MLC), 64 GB
Slots	1x SD
Optical drive	without drive

#### Display

Display type	17.8 cm/7" TFT
Screen resolution	800 x 480 Pixel(s) (WVGA)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	350 cd/m², typical (adjustable)
MTBF	> 40000 h
Color spectrum	262144 colors

### System properties

User software	without user software
	PC WORX SRT

## Electrical properties

Service life of battery	5 years (typical)
Supply	
Power supply unit	24 V DC $\pm$ 20 %
Typical current consumption	0.8 A
Real-time clock	
Realtime clock	Yes (battery-backed)
Supply	
Power consumption	typ. 16.8 W

## Interfaces

Interfaces	4x USB Host 2.0
Optional interfaces	Without optional interface
	1x COM (RS-232), 1x COM (RS-485)
	1x COM (RS-232), 1x COM (RS-485), 2x CAN
Monitor output	without
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Realtek <sup>®</sup> 8111F PCI-E
	Intel 82574L PCI-E with AMD Embedded G processor
	Intel <sup>®</sup> I210-AT with Intel <sup>®</sup> Atom <sup>™</sup> E3845 processor

## Dimensions

### External dimensions

Width / Height / Depth	203 mm / 147 mm / 5 mm (Front plate dimensions (black anodized aluminum))
	// 81 mm

### Installation dimensions

Width / Height / Installation depth	195 mm / 139 mm / 76 mm (Installation cutout)
Installation depth	99 mm, (with serial interface)

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
	NEMA 4X
Ambient temperature (operation)	0 °C ... 50 °C (with AMD Embedded G processor)
	0 °C ... 45 °C (with Intel <sup>®</sup> Atom <sup>™</sup> E3845 processor)
Ambient temperature (storage/transport)	-25 °C ... 70 °C
Permissible humidity (operation)	20 % ... 85 % (non-condensing)
Permissible humidity (storage/transport)	20 % ... 85 % (non-condensing)
Shock	DIN EN 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

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## Mounting

Mounting type

Front mounting

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## Classifications

### ECLASS

ECLASS-11.0

19200103

### ETIM

ETIM 7.0

EC001414

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## Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 15; For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"
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## Accessories

### TOUCH PEN - Touch pen

2701379

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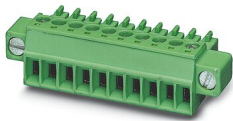


Touch pen for analog-resistive HMI, silver coated. Delivery includes self-adhesive pen holder.

### MC 1,5/ 3-STF-3,5 BD:1-3 - PCB connector

1751312

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PCB connector, nominal cross section: 1.5 mm<sup>2</sup>, color: green, nominal current: 8 A, rated voltage (III/2): 160 V, contact surface: Tin, type of contact: Socket, number of potentials: 3, number of rows: 1, number of positions: 3, number of connections: 3, product range: MC 1,5/...-STF, pitch: 3.5 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, plug-in system: COMBICON MC 1,5, locking: Screw locking, mounting: Screw flange, type of packaging: packed in cardboard

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