

DL PPC21.5M 7000 - Panel PC



2400016

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Full IP65, VESA mounted, fanless industrial PC with LED-backlit 21.5-inch LCD widescreen display and multi-touch capacitive touchscreen. Powerful Intel® i7 processor and configurable RAM, mass storage and operating system options.

Product description

The Designline PPC21.5M 7000 is a VESA-mounted IP65 industrial PC with a 21.5" LED touch screen. Equipped with an Intel® Core™ i7-4650U processor delivering impressive performance for demanding tasks. The fanless design and flexible VESA mounting scheme makes the Designline PPC21.5M 7000 ideal for a wide variety of applications. A configurable COM port enables connection to legacy serial devices. The Designline PPC21.5M 7000 incorporates a modern, ergonomic design along with the ruggedized characteristics expected in an industrial product.

Your advantages

- Modern ergonomic design
- Multi-touch touch screen
- Widescreen display
- Intel® HD graphics 5000
- VESA mounting
- Full IP65
- Configurable
- Fanless design
- LED backlight
- Easy to maintain
- Powerful Intel® Core™ i7 processor
- Extended temperature rating

Commercial data

Item number	2400016
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRBADC
Catalog page	Page 484 (C-6-2019)
Weight per piece (including packing)	7,100 g
Weight per piece (excluding packing)	57.4 g
Customs tariff number	84715000
Country of origin	TW

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Technical data

Product properties

Product type	Panel PC
Computer data	
Processor	Intel® Core™ i7-4650U 3.3 GHz
Operating system	without operating system
	Windows® 7 Professional SP1 (32-bit), German
	Windows® 7 Professional SP1 (32-bit), English
	Windows® 7 Professional SP1 (64-Bit), German
	Windows® 7 Professional SP1 (64-bit), English
	Windows® 7 Ultimate SP1 (64 bit), Multi-language
	Windows® 7 Ultimate SP1 (32-bit), Multi-language
	Windows® Embedded Standard 7 SP1 (32-bit), Multi-language
	Windows® Embedded Standard 7 SP1 (64-bit), Multi-language
	Windows® 10 IoT Enterprise LTSC 2015 (32-bit), Multi-language
	Windows® 10 IoT Enterprise LTSC 2015 (64-bit), Multi-language
RAM	4 GB DDR3 SODIMM
	8 GB DDR3 SODIMM
	12 GB DDR3 SODIMM
Data storage system	without data storage
	SSD (SLC), 4 GB
	SSD (SLC), 8 GB
	SSD (SLC), 16 GB
	SSD (SLC), 32 GB
	2.5" SSD (MLC), 80 GB
	2.5" SSD (MLC), 160 GB
	2.5" HDD SATA, 320 GB
Cooling	passive
Slots	without slots
Optical drive	without drive

Display

Display type	54.6 cm / 21.5"-TFT
Screen resolution	1920 x 1080 Pixel(s) (Full HD)
Touch technology	projective-capacitive, ten-touch control
Display lighting type	LED
Brightness	300 cd/m², typical (adjustable)
MTBF	> 50000 h
Color spectrum	16.2 million colors

Electrical properties

Service life of battery	5 years (typical)
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Supply

Supply voltage	24 V DC
Supply voltage range	9 V DC ... 32 V DC
Power supply unit	24 V DC $\pm$ 20 %

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 mm ² ... 2.5 mm ²
Conductor cross section, flexible	0.2 mm ² ... 2.5 mm ²
Conductor cross section AWG	24 ... 12

Interfaces

Interfaces	1x COM (RS-232/422/485)
	4x USB 2.0
	1x USB 3.0
	1x Audio
Monitor output	without
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-AT

Dimensions

Width	534 mm
Height	355 mm
Depth	60 mm

External dimensions

Width / Height / Depth	534 mm / 355 mm / 60 mm
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	0 °C ... 45 °C (with HDD)
	-20 °C ... 45 °C (with SSD)
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

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Mounting type	VESA MIS-D
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Approvals

To download certificates, visit the product detail page: <https://www.phoenixcontact.com/pc/products/2400016>



EAC
Approval ID: RU C-DE.A*08.B01708



UL Listed
Approval ID: E238705



cUL Listed
Approval ID: E238705



EAC-RoHS
Approval ID: RU*-DE*HB.B.00386/20

cULus Listed

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Classifications

ECLASS

ECLASS-11.0	19200103
ECLASS-12.0	19200103

ETIM

ETIM 8.0	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(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.)	Lead titanium zirconium oxide(CAS: 12626-81-2)
	Lead titanium trioxide(CAS: 12060-00-3)
	Lead(CAS: 7439-92-1)