VL PPC 3000 - Panel PC

2400184

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IP65-rated industrial panel PC (PPC) with fanless design and Intel®Core™ i3-4010U processor. Up to 16 GB of RAM. Mass storage options include CFast®, HDD and SSD formats. PCI expansion slots are available.

Product description

Phoenix Contact Valueline® industrial computer with configuration options. Options include display, data storage, RAM, PCI slots, CFast® slots, and mounting method.

Your advantages

- Wide variety of touch screen display sizes with or without USB port
- Compact, rugged housing
- 12" ... 24" touch screen displays
- Flexible mounting options
- Wall, bookshelf or panel mounting
- Easily removable rotating or solid-state hard drives in a variety of sizes
- Two integrated 10/100/1000 Ethernet ports with independent MAC addresses
- USB 2.0 and 3.0 ports
- Up to 16 GB RAM

Commercial data

Item number	2400184
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR12
Product key	DRBAAB
Weight per piece (including packing)	7,000 g
Weight per piece (excluding packing)	6 g
Customs tariff number	84715000
Country of origin	TW

Technical data

Product properties

Product type	Panel PC

Computer data

Processor	Intel® Core™ i3-4010U 1.7 GHz
Operating system	without operating system
	Windows® 7 Ultimate SP1 (32-bit), Multi-language
	Windows® 7 Ultimate SP1 (64 bit), Multi-language
	Windows® 7 Professional SP1 (32-bit), German
	Windows® 7 Professional SP1 (64-Bit), German
	Windows® 7 Professional SP1 (32-bit), English
	Windows® 7 Professional SP1 (64-bit), English
	Windows® 7 Professional SP1 (32-bit), Chinese
	Windows® 7 Professional SP1 (64-Bit), Chinese
	Windows® Embedded Standard 7 SP1 (32-bit), Multi-language
	Windows® Embedded Standard 7 E SP1 (32-bit)
	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
RAM	4 GB DDR3 SODIMM
	8 GB DDR3 SODIMM
	16 GB DDR3 SODIMM
Data storage system	without data storage
	CompactFlash®, 1 GB
	CompactFlash®, 2 GB
	CompactFlash®, 4 GB
	CompactFlash®, 8 GB
	CompactFlash®, 16 GB
	CompactFlash®, 32 GB
	SSD (SLC), 16 GB
	SSD (SLC), 32 GB
	2.5" HDD SATA, 320 GB
	2.5" HDD SATA, 500 GB
	2.5" SSD (MLC), 150 GB
	2.5" SSD (MLC), 240 GB
	2.5" SSD (MLC), 480 GB
Cooling	passive
PCI option 1	without slot
	open PCI slot
PCI option 2	without slot

	open PCI slot
Slots	2x PCI
	without slots
Optical drive	without drive
Disk drive	none
Software keyboard	English

Display

Display type	30.7 cm / 12.1"-TFT
	30.7 cm / 12.1"-TFT FRONT USB
	38.1 cm / 15"-TFT
	38.1 cm / 15"-TFT FRONT USB
	38.1 cm / 15"-TFT STAINLESS
	38.1 cm / 15"-TFT USB BK
	43 cm / 17"-TFT
	43 cm / 17"-TFT FRONT USB
	47 cm / 18.5"-TFT
	48.3 cm / 19"-TFT
	48.3 cm / 19"-TFT FRONT USB
	54.6 cm / 21.5"-TFT
	60.9 cm / 24"-TFT FRONT USB
Screen resolution	800 x 600 Pixel(s) (SVGA)
	1024 x 768 Pixel(s) (XGA)
	1280 x 1024 Pixel(s) (SXGA)
	1366 x 768 Pixel(s) (WXGA)
	1920 x 1080 Pixel(s) (Full HD)
Touch technology	analog resistive (polyester)
Display lighting type	LED
Brightness	Dependent on configuration
MTBF	Dependent on configuration

System properties

User software	without user software
	PC WORX SRT
	PC WORX RT BASIC
	VLC runtime
	VLC runtime / Citect HMI

Electrical properties

Service life of battery	5 years (typical)

Supply

Supply voltage	24 V DC (typical)
Supply voltage range	19.2 V DC ... 28.8 V DC
Power supply unit	24 V DC ±20 %

Real-time clock

Real-time clock	Yes (battery-backed)

Interfaces

Interfaces	1x COM (RS-232/422/485)
	3x USB 2.0
	1x USB 3.0
Optional interfaces	with front USB
Monitor output	1x DisplayPort
	1x DVI-D
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-IS

Dimensions

Note on dimensions	dependent on configuration

Installation dimensions

Width / Height / Installation depth	/ / (dependent on configuration)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
Ambient temperature (operation)	-20 °C ... 50 °C (Configuration options can affect the operating temperature. See user manual for details)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Altitude	2000 m
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock	15g, 11 ms impulse in accordance with IEC 60068-2-27
Vibration (operation)	IEC 60068-2-27

Mounting

Mounting type	Front mounting

Classifications

ECLASS

ECLASS-13.0	19200103

UNSPSC

UNSPSC 21.0	43211500

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)

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