VL2 PPC 3000 EX - Panel PC

1050368

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ATEX/IECEx compliant and UL listed, Valueline® industrial panel PC (PPC) with a fan-less design with IP65 degree of protection and Intel® Core™ i3-4010U processor. Up to 16 GB RAM. Mass storage options include HDD and SSD. One slot for a PCI or PCIe card is available as an option.

Your advantages

- Configurable as a panel PC (PPC)
- Fanless design for industrial applications
- ATEX/IECEx Certified
- Versatile and energy-efficient Intel® Core™ i3 processor
- Panel PC (PPC): IP65 rating in front panel and IP20 rating in back
- Easily removable rotating or solid-state hard drives in a variety of sizes

Commercial data

Item number	1050368
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	DR12
Product key	DRBAAB
Weight per piece (including packing)	12 kg
Weight per piece (excluding packing)	11.82 kg
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 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® 7 Professional SP1 (32-bit), English
	Windows® 7 Professional SP1 (32-bit), German
	Windows® Embedded Standard 7 SP1 (32-bit), Multi-language
	Windows® Embedded Standard 7 SP1 (64-bit), Multi-language
	Windows® 10 IoT Enterprise LTSB 2015 (32-bit), Multi-language
	Windows® 10 IoT Enterprise LTSB 2015 (64-bit), Multi-language
	Windows® 10 IoT Enterprise LTSC 2019 (64-bit), Multi-language
RAM	4 GB DDR3 SODIMM
	8 GB DDR3 SODIMM
	16 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" HDD, 160 GB (SATA)
	2.5" SSD, 150 GB
	2.5" SSD, 240 GB
	2.5" SSD, 480 GB
Cooling	passive
PCI option 1	without slot
	PCI
	PCI x4
Raid system	without RAID system
	0, 1
Slots	PCI/PCIe optional

Display

Display type	39.6 cm / 15.6"-TFT
	47 cm / 18.5"-TFT
	54.6 cm / 21.5"-TFT
Screen resolution	1366 x 768 Pixel(s) (WXGA), 15.6" TFT; 18.5" TFT

	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 (Dependent on configuration)
Color spectrum	16.7 million colors
Graphics card	Intel® HD Graphics 4400

Electrical properties

Service life of battery	5 years (typical)

Supply

Supply voltage	24 V DC
Supply voltage range	21.6 V DC ... 26.4 V DC (Includes all tolerances and ripple)
Power supply unit	24 V DC ±20 %
Max. current consumption	4.5 A

Real-time clock

Real-time clock	Yes (battery-backed)

Interfaces

Interfaces	1x COM (RS-232/422/485)
	2x USB 2.0
	2x USB 3.0
Optional interfaces	Without optional interface
	2x COM (RS-232), 1x COM (RS-232/422/485)
Monitor output	2x DisplayPort
Network	2x Ethernet (10/100/1000 Mbps), RJ45
LAN chipset	Intel® I210-AT

Dimensions

Installation dimensions

Width / Height / Installation depth	394.4 mm / 263.2 mm / (Panel cutout for 15.6-in. display)
	455 mm / 303.2 mm / (Panel cutout for 18.5-in. display)
	522 mm / 344 mm / (Panel cutout for 21.5-in. display)

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65 (Front)
	IP30 (back)
	IP65 (front), IP30 (back)
Ambient temperature (operation) (HDD)	0 °C ... 45 °C (with HDD)
Ambient temperature (operation) (SSD)	-20 °C ... 50 °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	DIN EN 60068-2-27
Vibration (operation)	1g with SSD, 0.5g with HDD, according to EN 60068-2-6

Mounting

Mounting type	Front mounting

Classifications

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(CAS: 7439-92-1)

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