

# VL2 PPC 7000 - Panel PC



2400346

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IP66-rated Valueline® industrial panel PC (PPC) with fanless design and Intel® Core™ i5-4300U processor with up to 16 GB of RAM. Mass storage options include HDD and SSD. A single optional PCI or PCIe slot is available.

## Your advantages

- Configurable as a panel PC (PPC)
- Fanless design for industrial applications
- Powerful and energy-efficient Intel® Core™ i5 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	2400346
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Sales key	DR20
Product key	DRBAAB
Weight per piece (including packing)	11 g
Weight per piece (excluding packing)	12,987 g
Customs tariff number	84715000
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™ i5-4300U 1.9 GHz/2.9 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 LTSC 2015 (32-bit), Multi-language
	Windows® 10 IoT Enterprise LTSC 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 SATA, 320 GB
	2.5" SSD (MLC), 240 GB
2.5" SSD (MLC), 480 GB	
Cooling	passive
PCI option 1	without slot
	PCI
	PCI x4
Raid system	without RAID system
	0, 1
Slots	PCI/PCIe optional

#### Display

	39.6 cm / 15.6"-TFT
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Display type	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/m <sup>2</sup> , 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)
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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 USB 2.0
	2x USB 3.0
Optional interfaces	Without optional interface
	2x COM (RS-232), 1x COM (RS-232/422/485)
	2x Ethernet, 1x audio out (3.5 mm), 1x audio in (3.5 mm)
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	IP66 (front), IP30 (back)
Ambient temperature (operation)	0 °C ... 45 °C (with HDD)
	-10 °C ... 60 °C (with SSD)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)

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Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

## Mounting

Mounting type	Front mounting
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## Approvals

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**UL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E238705



**cUL Listed**

Approval ID: E196811



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Approval ID: E196811

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## Classifications

### ECLASS

ECLASS-13.0

19200103

### ETIM

ETIM 9.0

EC001414

### UNSPSC

UNSPSC 21.0

43211500

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(c), 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)