

Industrial PC - VALUELINE IPC - 2913108

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IP65-rated industrial panel PC (PPC) or IP20-rated box PC (BPC) with fanless design and Intel® processor. Up to 3 GB of RAM. Mass storage options include HDD and SSD formats. Offered with a selection of operating systems. PCI and CompactFlash® (CF) expansion slots are available.

Similar figure

Product Description

Valueline® industrial computer with configuration options. Selections include processor, display, data storage, RAM, PCI slots, CompactFlash® cards and mounting methods.

Your advantages

- ✓ Configurable as a panel PC (PPC) or box PC (BPC)
- ✓ Fanless design for industrial applications
- ✓ Powerful and energy-efficient Intel® Atom™, Celeron® M, and Core™ 2 Duo processors
- ✓ Panel PC (PPC): IP65 rating in front panel and IP20 rating in back
- ✓ Box PC (BPC): IP20 rating
- ✓ Ambient operating temperatures from -20 °C to 55 °C
- ✓ Wall, bookshelf or panel mounting
- ✓ 12-in. to 24-in. touch screen displays
- ✓ CompactFlash® slots
- ✓ Optional expansion slots for installing PCI cards
- ✓ Easily removable rotating or solid-state hard drives in a variety of sizes



Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	3,760.000 g
Custom tariff number	84714100
Country of origin	Taiwan

Industrial PC - VALUELINE IPC - 2913108

Technical data

Computer data

Processor	Intel® Atom™ N270 1.6 GHz
	Intel® Celeron® M ULV 423 1.01 GHz
	Intel® Core™2 Duo L7400 1.5 GHz
	Intel® Atom™ Enhanced 1.6 GHz
Cooling	passive
Operating system	without operating system
	Windows® XP Professional, English
	Windows® XP Professional OEM, German
	Windows® XP Professional, SP2, English
	Windows® XP Professional OEM, SP3, Multi-language
	Windows® 7 Professional, English
	Windows® 7 Professional, German
	Windows® 7 Professional SP1 (64-bit), German
	Windows® 7 Professional SP1 (64-bit), English
	Windows® 7 Ultimate (32-bit), Multi-language
	Windows® 7 Ultimate SP1 (64 bit), Multi-language
	Windows® Embedded Standard 7
	Windows® Embedded Standard 2009
RAM	512 MB DDR SODIMM
	1 GB DDR SODIMM
	2 GB DDR SODIMM
	3 GB DDR SODIMM
Mass storage	without mass storage
	CompactFlash®, 512 MB
	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" SSD (MLC), 80 GB

Industrial PC - VALUELINE IPC - 2913108

Technical data

Computer data

	2.5" SSD (MLC), 160 GB
	2.5" HDD SATA, 320 GB
	2.5" HDD SATA, 250 GB
Network	2x Ethernet (10/100/1000 Mbps), RJ45
Interfaces	1x COM (RS-232)
	4x USB 2.0
	2x CompactFlash®
Monitor output	VGA, DVI-D (not available with Atom processors)
Optional interfaces	with front USB
PCI option 1	without slot
	open PCI slot
PCI option 2	without slot
	open PCI slot
Slots	2x PCI
	without slots
Optical drive	DVD-RW
	without drive
Graphics card	On-board graphics chip (AGP)
Realtime clock	Yes (battery-backed)
Service life of battery	5 years (typical)

General

Mounting type	Front panel mounting
	Wall mounting
	Bookshelf mounting

Ambient conditions

Degree of protection	IP65 (front), IP20 (back)
	IP20
Ambient temperature (operation)	-20 °C ... 55 °C (Configuration options can affect the operating temperature. See user manual for details)
Ambient temperature (storage/transport)	-40 °C ... 70 °C
Permissible humidity (operation)	5 % ... 95 % (non-condensing)
Permissible humidity (storage/transport)	5 % ... 95 % (non-condensing)
Vibration (operation)	DIN EN 60068-2-6
Shock	15g, 11 ms in accordance with IEC 60068-2-27

Dimensions

Outer dimensions: width, height, depth	(dependent on configuration)
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Industrial PC - VALUELINE IPC - 2913108

Technical data

Dimensions

Installation dimensions: width, height, depth	(dependent on configuration)
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Device supply

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

Standards and Regulations

Shock	15g, 11 ms in accordance with IEC 60068-2-27
Vibration (operation)	DIN EN 60068-2-6

Classifications

eCl@ss

eCl@ss 10.0.1	19200102
eCl@ss 4.0	27250315
eCl@ss 4.1	27250315
eCl@ss 5.0	27259205
eCl@ss 5.1	27242401
eCl@ss 6.0	19200100
eCl@ss 7.0	19200101
eCl@ss 9.0	19200102

ETIM

ETIM 2.0	EC001414
ETIM 3.0	EC001414
ETIM 4.0	EC001413
ETIM 6.0	EC001413

UNSPSC

UNSPSC 6.01	43172015
UNSPSC 7.0901	43201404
UNSPSC 11	43172015
UNSPSC 12.01	43201404
UNSPSC 13.2	43201404

Accessories

Accessories

Mounting material

Industrial PC - VALUeline IPC - 2913108

Accessories

Removable hard drive tray - HDD TRAY KIT - 2913185



Removable hard drive tray for Valueline IPC

Mounting kit - VL PANEL MOUNTING KIT - 2913159



Mounting kit for Valueline® industrial PC, VL PPC 2000, and VL PPC 3000. Kit includes hardware for installation in a panel.

Mounting kit - VL PANEL+ MOUNTING KIT - 2701177



Mounting kit, Valueline IPC. For use with 15- and 17-in displays to accommodate thicker panels. Includes required hardware.

Mounting kit - VL BOOKSHELF MOUNTING KIT - 2913160



Mounting kit, Valueline IPC. Includes hardware for bookshelf installation without PCI expansion slots.

Mounting kit - VL BOOKSHELF MOUNTING KIT/EXPANSION - 2913164



Mounting kit, Valueline IPC. Includes hardware for bookshelf installation with PCI expansion slots.

Industrial PC - VALUELINE IPC - 2913108

Accessories

Mounting kit - VL WALL MOUNTING KIT - 2913161

Mounting kit, Valueline IPC. Includes hardware for wall installation.



Mounting plate - VL PPC12 19" RACKMOUNT PLATE - 2701716



Allows 12-inch Basicline and Valueline PPC and 12-inch FPM products to be fitted into a 19-inch rack-mount cabinet using standard PPC mounting procedures.

Mounting plate - VL PPC17 19" RACKMOUNT PLATE - 2701714



Allows 17-inch Basicline and Valueline PPC and 17-inch FPM products to be fitted into a 19-inch rack-mount cabinet using standard PPC mounting procedures.

Mounting plate - VL PPC15 19" RACKMOUNT PLATE - 2701715



Allows 15-inch Basicline and Valueline PPC and 15-inch FPM products to be fitted into a 19-inch rack-mount cabinet using standard PPC mounting procedures.

Protective foil

Protective foil - VL 15" DISPLAY PROTECTIVE FOIL - 2913165

Protective sheets for 15" touch screen. 10-pack.



Industrial PC - VALUELINE IPC - 2913108

Accessories

Storage medium

Memory card - VL 1 GB CF - 2913155



CompactFlash® card, pluggable, 1 GB

Memory card - VL 2 GB CF - 2913156



CompactFlash® card, pluggable, 2 GB

Memory card - VL 4 GB CF - 2913157



CompactFlash® card, pluggable, 4 GB

Memory card - VL 8 GB CF - 2913158



CompactFlash® card, pluggable, 8 GB

Memory - VL 16 GB SSD (SLC) KIT - 2913199



16 GB, 2.5" SATA solid-state drive (SLC) kit for Valueline IPC. Includes tray.

Industrial PC - VALUELINE IPC - 2913108

Accessories

Memory - VL 32 GB SSD (SLC) KIT - 2913200



32 GB, 2.5" SATA solid-state drive (SLC) kit for Valueline IPC. Includes tray.

Memory - VL 320 GB HDD KIT - 2701111



320 GB, SLC, 2.5" SATA HDD kit for Valueline IPC. Includes tray.

Software package - WES2009 / WES7 RECOVERY USB - 2400303



Operating system recovery kit for Windows® Embedded 2009 and Windows Embedded 7 operating systems. Kit includes a USB drive.

Software package - UPGRADE WIN 7 PRO SP1 X86-EN - 2400573



Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 32-bit English-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authority (CoA) sticker.

Software package - UPGRADE WIN 7 PRO SP1 X64-EN - 2400574



Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 64-bit English-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Industrial PC - VALUELINE IPC - 2913108

Accessories

Software package - UPGRADE WIN 7 PRO SP1 X86-DE - 2402617



Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 32-bit German-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Software package - UPGRADE WIN 7 PRO SP1 X64-DE - 2402618



Kit for upgrading a Windows® XP operating system to Windows 7 Professional SP1 64-bit German-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Software package - UPGRADE WIN 7 ULT SP1 X86 - 2402619



Kit for upgrading a Windows® XP operating system to Windows 7 Ultimate 32-bit multi-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Software package - UPGRADE WIN 7 ULT SP1 X64 - 2402620



Kit for upgrading a Windows® XP operating system to Windows 7 Ultimate SP1 64-bit multi-language operating system. Kit includes a USB drive and Microsoft® Certificate of Authenticity (CoA) sticker.

Spare parts

Printed-circuit board connector - MSTB 2,5/ 4-STF-5,08 - 1778001



PCB connector, nominal cross section: 2.5 mm², color: green, nominal current: 12 A, rated voltage (III/2): 320 V, contact surface: Tin, type of contact: Female connector, number of potentials: 4, Number of rows: 1, Number of positions per row: 4, number of connections: 4, product range: MSTB 2,5/...-STF, pitch: 5.08 mm, connection method: Screw connection with tension sleeve, screw head form: L Slotted, conductor/PCB connection direction: 0 °, Locking clip: - without locking clip, plug-in system: CLASSIC COMBICON, Locking: Screw locking, mounting: Screw flange, type of packaging: packed in cardboard

