SIEMENS

Data sheet

6AV7260-0AA10-0AX3

SIMATIC IPC677D (Panel PC), 2x10/100/1000 Mbit/s Ethernet; 4x USB V3.0, 1x serial (COM1); Watchdog, temperature and Fan monitoring; RAID controller onboard; 15" Touch (1280x 800); with front USB Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB cache) 500 GB HDD SATA; 2 GB DDR3 1600 DIMM; 2x PCI without expansion (HW) Windows 7 Ultimate 32 bit SP1, MUI (de, en, fr, es, it) without expansion (software) AC 110/230V industrial power supply unit with NAMUR; Power supply cable USA

General information IPC077D Design of display 19" TET touch Screen diagonal 15 in Resolution (pixels) 1280 pixel • Hottorshil image resolution 800 pixel Backinghting 600 pixel Mouse, at front. Front USB 2.0 (500mA) Touch operation Yes; analog, resistive Installation type/mounting For horizontal and vertical mounting Design as buch screen Yes; analog, resistive Installation type/mounting For horizontal and vertical mounting Design and partial format possible Yes maximum permissible installation angle +/- 20" Supply voltage 100/240 VAC (autorange); 24 V DC Line frequency - • Rated value 50 Hz Yes • Rated value 50 Hz Yes<		Power supply cable USA
Display 15" TFT touch Screen diagonal 15 in Resolution pixels) 1280 pixel • Horizontal image resolution 800 pixel Backingting • MTP backingthing (al 25 °C) 80 000 h • MTP backingthing (al 25 °C) 80 000 h Control elements • Input device • MTP backingthing (al 25 °C) 80 000 h • MTP backingthing (al 25 °C) 80 000 h Control elements • Mouse, al front Front USB 2.0 (500mA) Touch operation • Design as touch screen Yes; analog, resistive Mathematical mounting Design as touch screen Yes Yes Mathematical mounting Design as touch screen Yes Yes Mounting Mounting in portrait format possible Yes Yes Yes Mounting in portrait format possible Yes Yes Yes Mants buffering Yes Yes Yes In Hill configuration 155 W Processor Processor type Celeron G1820TE (2CZT, 2.2 CHz, 2 MB Cache), Core (3-4330TE (2CMT, 2.4 CHz, 4 MT) Chippet <	General information	
Design of display 15° TFT touch Screen diagonal 15 in Resolution (pasks) 1280 pixel • Horizontal image resolution 1280 pixel Backlighting 800 pixel Backlighting 800 pixel • MTBF backlighting (at 25 °C) 80 000 h Control elements 100 pixel Input device 90 pixel • Mouse, at front Front USB 2.0 (500mA) • Touch operation Yes; analog, resistive • Installation type/mounting For horizontal and vertical mounting Design as touch screen Yes; analog, resistive Installation type/mounting Panel PC, bulk-in unit Central design Yes Mounting in portrait format possible Yes Mounting in portrait format possible Yes Yes of supply voltage 100/240 V AC (autorange); 24 V DC Line frequency Yes • Rated value 60 Hz Yes • Mains buffering 10 ms • Nater value 60 Hz Yes Minis Undering 15% W Processor type Celeron G4820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/6T, 2.3 (3.3) GHz, 8 MB Cache, ANT) Chipset Intel DH82C3226 PCH Orrephic Intel HD graphics c	Product type designation	IPC677D
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• Horizontal image resolution 1 280 pixel • Vertical image resolution 800 pixel Backlighting	Screen diagonal	15 in
• Vartical image resolution 800 pixel Backlighting • • MTBF backlighting (at 25 °C) 80 000 h Control elements • Input device • • Mouse, at front Front USB 2.0 (500mA) Touch operation • • Design as touch screen Yes; analog, resistive Mounting For horizontal and vertical mounting Design For horizontal and vertical mounting Design Panel PC, built-in unit central design Yes Mounting in portait format possible Yes maximum permissible installation angle +/- 20* Supply voltage 100/240 V AC (autorange): 24 V DC Line frequency · • Rated value 50 Hz Yes • Rated value 50 Hz	Resolution (pixels)	
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Backlighting • MTBF backlighting (at 25 °C) 80 000 h Input device Front USB 2.0 (500mA) • Mouse, at front Front USB 2.0 (500mA) Touch operation • • Design as touch screen Yes; analog, resistive Installation type/mounting For horizontal and vertical mounting Design Panel PC, built-in unit central design Yes maximum permissible installation angle +/- 20° Supply voltage 100/240 V AC (autorange); 24 V DC Line frequency Yes • Rated value 50 Hz Yes Mains buffering 100/240 V AC (autorange); 24 V DC Line frequency Yes • Rated value 50 Hz Yes Mains buffering 10 ms • Nated value 50 Hz Yes In full configuration 155 W Processor Calcorn G1820TE (2C/27, Z.2.GHz, Z.MB Cache); Care I3-4330TE (2C/47, Z.4 Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core I3); Intel HD graphics controller (Celeron) Drivos Optical drives DVDARARW combi-drive, optional Graphics controller DVDARARW combi-drive, optional	Vertical image resolution	800 pixel
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Installation type/mounting For horizontal and vertical mounting Mounting For horizontal and vertical mounting Design Panel PC, built-in unit central design Yes Mounting in portrait format possible Yes Mounting in portrait format possible installation angle +/- 20° Supply voltage 100/240 V AC (autorange); 24 V DC Line frequency • • Rated value 50 Hz Yes • Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering 10 ms • Owner loss Infull configuration In full configuration 155 W Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, ART) Chipset Intel DH82C226 PCH Graphics Controller (Celeron) Drives DVDaRtRRW combi-drive, optional SSD Yes; ≥ 240 GB optional Hard disk 3.5" SATA ≥ 300 GB, optional SSD Yes; ≥ 240 GB optional Memory Type of memory DDR3-1600 DIMM DDR3-1600 DIMM		Yes: analog, resistive
Mounting For horizontal and vertical mounting Design Panel PC, built-in unit central design Yes Mounting in portrait format possible Yes maximum permissible installation angle +/- 20* Supply voltage 100/240 V AC (autorange); 24 V DC Line frequency • • Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains/voltage failure stored energy time 10 ms Power loss In full configuration In full configuration 155 W Processor • Processor type Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, ANT) Chipset Intel DH82C226 PCH Graphic • Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller Celeron) Drives • Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5* SATA ≥ 500 GR, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB optional		
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central design Yes Mounting in portrait format possible Yes maximum permissible installation angle +/- 20* Supply voltage 100/240 V AC (autorange); 24 V DC Line frequency • • Rated value 50 Hz Yes • Rated value 60 Hz Yes • Mains buffering • • Mains buffering 10 ms • Mains buffering 10 ms • Nater value 60 Hz Yes • Mains buffering 10 ms • Mains buffering 10 ms • Processor • Processor • Processor • Processor • Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller Celeron) Optical drives DVD±R±RW combi-drive, optional Astr × 40 GB 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID 1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional: 3.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory 2/4 / 8 / 16 GB; ECC optional		
Mounting in portrait format possible Yes maximum permissible installation angle +/- 20° Supply voltage 100/240 V AC (autorange); 24 V DC Line frequency • Rated value 50 Hz • Rated value 60 Hz Yes • Mains buffering 10 ms • Mains/voltage failure stored energy time 10 ms Power loss 10 ms In full configuration 155 W Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache), Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel HD graphics controller AMT) Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives DvD±R±RW combi-drive, optional 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RJID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RJID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RJID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RJID1 2x 2.5" SATA ≥ 320 GB; solid-stat		
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Supply voltage 100/240 V AC (autorange); 24 V DC Line frequency • Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering • 10 ms • Mains/voltage failure stored energy time 10 ms Power loss • In full configuration 155 W Processor • Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic • Intel DH82C226 PCH Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives • Optical drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, potional: 3.5" SATA ≥ 1TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; 240 GB optional Memory 2/4 / 8 / 16 GB; ECC optional		
Type of supply voltage 100/240 V AC (autorange); 24 V DC Line frequency • Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering 0 ms • Mains/voltage failure stored energy time 10 ms Power loss In full configuration 155 W Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives DVD±R±RW combi-drive, optional Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 100 BB, optional: 3.5" SATA ≥ 17B; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory Z/4 / 8 / 16 GB; ECC optional		
Line frequency • Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering 10 ms • Mains/voltage failure stored energy time 10 ms Power Joss In full configuration In full configuration 155 W Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3.4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2/4 / 8 / 16 GB; ECC optional		100/240 V AC (autorange): 24 V DC
• Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering 10 ms • Mains/voltage failure stored energy time 10 ms Power loss 115 W In full configuration 155 W Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Graphics controller Optical drives DVD±R±RW combi-drive, optional Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1TB; RAID1 2x 2.5" SATA ≥ 320 GB; al hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; al hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional		100/240 V / 10 (dutorange), 24 V BO
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Power loss In full configuration 155 W Processor Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Intel DH82C226 PCH Optical drives Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB sylici-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2/4 / 8 / 16 GB; ECC optional	•	10 ms
In full configuration 155 W Processor Processor type Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Intel DH82C226 PCH Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional		10 113
Processor Processor type Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Graphics controller Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional		155 \\/
Processor type Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Intel DH82C226 PCH Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives Optical drives DVD±R±±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional		155 W
GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT) Chipset Intel DH82C226 PCH Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives DVD±R±RW combi-drive, optional Ard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional		
Chipset Intel DH82C226 PCH Graphic Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives DVD±R±RW combi-drive, optional Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional	Processor type	GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache,
Graphic Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2/4/8/16 GB; ECC optional	Chinast	
Graphics controller Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) Drives DVD±R±RW combi-drive, optional Age DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Agin memory 2/4/8/16 GB; ECC optional	•	
Drives DVD±R±RW combi-drive, optional Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Z/4 / 8 / 16 GB; ECC optional		Intel HD graphics controller D4000 OT0 (Veca Orac 10), Intel HD starts
Optical drives DVD±R±RW combi-drive, optional Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Z/4 / 8 / 16 GB; ECC optional	· · · · · · · · · · · · · · · · · · ·	controller (Celeron)
Hard disk 3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Z / 4 / 8 / 16 GB; ECC optional	Drives	
GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay SSD Yes; ≥ 240 GB optional Memory DDR3-1600 DIMM Main memory 2/4/8/16 GB; ECC optional	Optical drives	DVD±R±RW combi-drive, optional
Memory Type of memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional	Hard disk	GB; solid-state drive (SSD) \ge 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA \ge 320 GB byte in removable drive
Type of memory DDR3-1600 DIMM Main memory 2 / 4 / 8 / 16 GB; ECC optional	SSD	Yes; ≥ 240 GB optional
Main memory 2/4/8/16 GB; ECC optional	Memory	
	Type of memory	DDR3-1600 DIMM
Capacity of main memory, max. 16 Gbyte	Main memory	2 / 4 / 8 / 16 GB; ECC optional
	Capacity of main memory, max.	16 Gbyte

Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	2 Mbyte; 128 KB can be stored in the buffer time; optional
Hardware configuration	
Slots	
free slots	2x PCI; optional: 1x PCI & 1x PCIe (x16); 2x PCIe (x4, x16); with card retainer
Number of PCI slots	2
Number of PCI slots	2
Interfaces	-
PROFIBUS/MPI	Optionally onboard, isolated, max. 12 Mbit/s, compatible with CP 5622
Number of industrial Ethernet interfaces	2; 2x RJ45 (independent)
Number of PROFINET interfaces	3; Optional
USB port	4x USB 3.0
· · · · · · · · · · · · · · · · · · ·	USB / USB
Connection for keyboard/mouse serial interface	
	1x COM1 (RS 232), optional: 1x COM2 (RS 232)
parallel interface	optional LPT1
Video interfaces	
Graphics interface	1x DisplayPort and 1x DVI-I; 1x VGA via adapter cable (optional)
Industrial Ethernet	
Industrial Ethernet interface	Onboard, 2x 10 / 100 / 1000 Mbit, RJ45
— 100 Mbps	Yes
— 1000 Mbps	Yes
nterrupts/diagnostics/status information	
Bus diagnostics	Yes
ntegrated Functions	
Monitoring functions	
 Temperature monitoring 	Yes
Watchdog	Yes
Status LEDs	Yes
• Fan	Yes
 Monitoring function via network 	Optional
EMC	
Interference immunity against discharge of static electricity	
 Interference immunity against discharge of static 	±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC
electricity	61000-4-2
Interference immunity against high-frequency electromagnetic fields	
 Interference immunity against high frequency radiation 	10 V/m for 80 - 1 000 MHz and 1.4 - 2 GHz, 80% AM acc. to IEC 61000-4-3; 3 V/m for 2 - 2.7 GHz, 80% AM acc. to IEC 61000-4-3; 10 V for 10 kHz - 80 MHz,
	80% AM acc. to IEC 61000-4-6
Interference immunity to cable-borne interference	60% ANI ACC. 10 IEC 61000-4-6
	60% AM acc. to led 61000-4-0
Interference immunity on supply cables	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge
Interference immunity on supply cables	
 Interference immunity on supply cables Interference immunity on signal cables >30m 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge
	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4;
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m
Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-8
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables 	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables 	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-8
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables 	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-8
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection IP (at the front) IP (rear)	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection IP (at the front) IP (rear)	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection IP (at the front) IP (rear) Standards, approvals, certificates	 ±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection IP (at the front) IP (rear) Standards, approvals, certificates CE mark	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric 100 A/m; to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A IP65 IP20 Yes
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection IP (at the front) IP (rear) Standards, approvals, certificates CE mark UL approval 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric 100 A/m; to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A Yes Yes
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection IP (at the front) IP (rear) Standards, approvals, certificates CE mark UL approval UL 508 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric ±0 A/m; to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A IP65 IP20 Yes Yes Yes
 Interference immunity on signal cables >30m Interference immunity on signal cables < 30m Interference immunity against voltage surge asymmetric interference symmetric interference Interference immunity to magnetic fields Interference immunity to magnetic fields at 50 Hz Emission of conducted and non-conducted interference Interference emission via line/AC current cables Degree and class of protection IP (at the front) IP (rear) Standards, approvals, certificates CE mark UL approval UL 508 cULus 	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4; burst; length > 3 m ±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge asymmetric 100 A/m; to IEC 61000-4-8 EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A IP65 IP20 Yes Yes Yes Yes

-6-4:2007, EN 61000-6-2:2005 ng to IEC 60068-2-78, IEC 60068-2-30: 5% to 80% at 25 °C (no ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 3 ² (1 g)
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
ng to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to
IEC 60068-2-29: 50 m/s² (5 g), 30 ms, 100 shocks
mate, 32-bit/64-bit, MUI; Windows Embedded Standard 7 P, 32- bws 10 Enterprise 2015 or 2016 LTSB, 64-bit, MUI
32 bit or 64 bit
10 Enterprise 2015 or 2016 LTSB, 64-bit, MUI
ge with SIMATIC WinCC or WinAC RTX

last modified:

6/25/2021 🖸