## SIEMENS

## Data sheet

## 6AV7260-1AA10-0BA0

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; 19" Touch (1366x 768); 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 64 bit SP1, MUI (de, en, fr, es, it) SIMATIC IPC DiagMonitor enclosed AC 110/230V industrial power supply unit with NAMUR; Power supply cable Europe

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		Power supply cable Europe
Display     19" TFT touch       Design of display     19" TFT touch       Screen diagonal     19 in       Resolution (pixels)     1 366 pixel       • Vertical image resolution     788 pixel       Backlighting     • MTBF backlighting (at 25 °C)     50 000 h       Control elements     Control elements       Input device     • Font USB 2.0 (500mA)       Touch operation     Yes; analog, resistive       • besign as touch screen     Yes; analog, resistive       Installation type/mounting     For horizontal and vertical mounting       Design as touch screen     Yes; analog, resistive       Installation type/mounting     For horizontal and vertical mounting       Design in portrait format possible     Yes       maximum permissible installation angle +/-     20"       Supply voltage     100/240 V AC (autorange); 24 V DC       Line frequency     Yes       • Rated value 60 Hz     Yes       Maints buffering     10 ms       Processor type     Celeron G1820TE (20/27, 2.2 GHz, 2.MB Cache); Core i3.4330TE (2047, 2.4 GRz); GAR, 8 MB Cache, MTT       Chipsel     Intel ID graphics controller P4600 GT2 (Xeon; Core i3.4330TE (2047, 2.4 GRz); GAR, 8 MB Cache, MTT       Processor type     Celeron G1820TE (20/27, 2.2 GHz, 2.MB Cache); Core i3.4330TE (2047, 2.4 GRz); GAR, 8 MB Cache, MTT       Chipsel     Intel ID graphics controlle	General information	
Design of display     19" TFT touch       Screen diagonal     19 in       Resolution (pixels)     1366 pixel       • Horizontal image resolution     768 pixel       Backlighting     768 pixel       Backlighting     6       • MTBF backlighting (at 25 °C)     50 000 h       Control elements     1       Input device     6       • Mouse, at front     Front USB 2.0 (500mA)       Touch operation     7es; 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     •       • Rated value 50 Hz     Yes       Mains Voltage failure stored energy time     10 ms       Processor type     Celeron C1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2, 3 (3.3) GHz, 8 MB Cache, ANT)       Ohipset     Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)       Ohipset     Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)       Ohipset     Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron) <tr< td=""><td>Product type designation</td><td>IPC677D</td></tr<>	Product type designation	IPC677D
Screen diagonal       19 in         Resolution (pixels)       1366 pixel         • Horizontal image resolution       768 pixel         Backlighting       50 000 h         Control elements       1306 pixel         Input device       50 000 h         Control elements       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       For horizontal and vertical mounting         Design       Panel PC, buit-in unit         device       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       10 ms         • Namisvoltage failure stored energy time       10 ms         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3.4330TE (2C/4T, 2 GHz, 4 MB Cache); Core i3.4330TE (2C/4T, 2 GHz, 4 MB Cache); Core i3.3 (GHz, 8 MB Cache, Art)         Chipset       Intell HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         Optical drives       DVDaRaRW c	Display	
Resolution (pixels)         • Iorizontal image resolution       1 366 pixel         • Vertical image resolution       768 pixel         Backlighting       •         • MTBF backlighting (at 25 °C)       50 000 h         Control aleinomats       •         Input device       •         • Mouse, at front       Front USB 2.0 (500mA)         Touch operation       •         • Design as buch screen       Yes; analog, resistive         Installation type/mounting       For horizontal and vertical mounting         Design       Panel PC, built-in unt         central design       Panel PC, built-in unt         maximum permissible installation angle +/-       20°         Supply voltage       100/240 V AC (autorange); 24 V DC         Line frequency       •         • Rated value 50 Hz       Yes         • Mains buffering       100:50 W         Processor       Celeron G1820TE (2C/27, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/47, 2 GHz, 8 MB Cache); ANT         Processor type       Celeron G1820TE (2C/27, 2.2 GHz, 2 MS Cache); Core i3-3, GHz, 8 MB Cache, ANT         Processor type       Celeron G1820	Design of display	19" TFT touch
<ul> <li>Horizontal image resolution</li> <li>Yertical image resolution</li> <li>788 pixel</li> <li>Backlighting</li> <li>MTBF backlighting (at 25 °C)</li> <li>50 000 h</li> <li>Control elements</li> <li>Input device</li> <li>Mouse, at front</li> <li>Front USB 2.0 (500mA)</li> <li>Touch operation</li> <li>Obesign as bouch screen</li> <li>Yes; analog, resistive</li> <li>Installation type/mounting</li> <li>For horizontal and vertical mounting</li> <li>Design as bouch screen</li> <li>Yes; analog, resistive</li> <li>Installation type/mounting</li> <li>Mounting</li> <li>Penel PC, built-in unit</li> <li>central design</li> <li>Yes</li> <li>Mounting in portrait format possible</li> <li>Yes</li> <li>Supply voltage</li> <li>100/240 V AC (autorange); 24 V DC</li> <li>Line frequency</li> <li>Rated value 50 Hz</li> <li>Rated value 50 Hz</li> <li>Yes</li> <li>Mains builfering</li> <li>Mains builfering</li> <li>In full configuration</li> <li>155 W</li> <li>Processor type</li> <li>Celeron G1820TE (2C/2T, 22 GHz, 2 MB Cache); Core (34.930TE (2C/4T, 2 GHz, 2 MB Cache); Core (34.930TE</li></ul>	Screen diagonal	19 in
• Vertical image resolution     768 pixel       Backlighting     50 000 h       Control elements     50 000 h       Input device     • Mouse, at front       • Mouse, at front     Front USB 2.0 (500mA)       Touch operation     • Design as buch screen       • Design as buch screen     Yes; analog, resistive       Installation type/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     Installation type faultors for a fault of the screen of the scr	Resolution (pixels)	
Backlighting         • MTBF backlighting (at 25 °C)       50 000 h         Control elements         Input device         • Mouse, at front       Front USB 2.0 (500mA)         Touch operation         • Design as buck screen       Yes; analog, resistive         Installation type/mounting         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       Yes         • Rated value 60 Hz       Yes         In full configuration       155 W         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3.4330TE (2C/AT, 2.3 (3.3) GHz, 8 MB Cache, AMT)         Chipset       Intel DH82C226 PCH         Graphic       Intel OH82C226 PCH	<ul> <li>Horizontal image resolution</li> </ul>	1 366 pixel
• MTBF backlighting (at 25 °C)       50 000 h         Control elements         Input device         • Mouse, at front       Front USB 2.0 (500mA)         Touch operation       • Pasign as touch screen         • 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 50 Hz       Yes         • Mains/voltage failure stored energy time       10 ms         Processor       Frocessort         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.3 (3.3) GHz, 8 MB Cache, AMT)         Chipset       Intel ID graphics controller         Graphic       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         Drives       DVDafatRW combi-drive, optional         3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 17B; RAID1 2x 2.5" SATA ≥ 300         GRiphic       GRiphic         Graphic       Mountige in removolabe drive are vibration-dampe (RAID 12x 2	<ul> <li>Vertical image resolution</li> </ul>	768 pixel
Control elements         Input device         • Mouse, at front         Touch operation         • Design as touch screen         Mounting         Mounting         Design         Panel PC, built-In unit         central design         Yes         Mounting in portrait format possible         Yes         Mains buffering         • Rated value 60 Hz         Yes         Mains buffering         • Mains/voltage failure stored energy time         Processor         Processor         Processor         Processor /         Processor /         Processor /         Processor /         Graphic         Graphic         Graphics controller         Intel HD graphics controller P4600 GT2 (Xeon, Core i3): Intel HD graphics controller P4600 GT2 (Xeon, Core	Backlighting	
Input device       • 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         Mounting       Panel PC, built-in unit         central design       Yes         Mounting in portrait format possible       Yes         Mounting of supply voltage       100/240 V AC (autorange); 24 V DC         Line frequency       • Rated value 60 Hz         • Rated value 60 Hz       Yes         Mains buffering       • Mains/voltage failure stored energy time         • Mains/voltage failure stored energy time       10 ms         Processor       Processor         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core I3-4330TE (2C/4T, 2 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, ANT)         Chipset       Intel DH82C226 PCH         Graphic       Intel HD graphics controller P4600 GT2 (Xeon, Core I3); Intel HD graphics controller (Celeron)         Drives       DVDER±RW combil-drive, optional         Gis voltaves       DVDER±RW combil-drive, optional	<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h
• Mouse, at front       Front USB 2.0 (500mA)         Touch operation       • Design as touch screen         • Design as touch screen       Yes; analog, resistive         Installation type/mounting       For horizontal and vertical mounting         Design       Panel PC, built-in unit         central 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 60 Hz       Yes         • Rated value 60 Hz       Yes         • Mains buffering       •         • Mains/voltage failure stored energy time       10 ms         Power loss       •         In full configuration       155 W         Processor       •         Processor       •         Processor type       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core I3-4330TE (2C/4T, 2 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)         Chipset       Intel DH32C226 PCH         Graphic       •         Graphic       •         Optical drives       DVD±R±RW combi-drive, optional<	Control elements	
Touch operation       Pesign as buch screen         Yes; analog, resistive         Installation type/mounting         Mounting       For horizontal and vertical mounting         Design       Panel PC, built-in unit         central design       Yes         Mounting in portrait format possible       Yes         Mounting frequency       100/240 V AC (autorange); 24 V DC         Line frequency       • Rated value 50 Hz         • Rated value 50 Hz       Yes         Mains buffering       10 ms         • Mains/voltage failure stored energy time       10 ms         Power loss       Inful configuration         In full configuration       155 W         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3:430TE (2C/4T, 2 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)         Chipset       Intel DH22C26 PCH         Graphic       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         Drives       DVDaR#RW combi-drive, optional         Optical drives       DVDaR#RW combi-drive, optional         Hard disk	Input device	
• Design as bouch screen       Yes; analog, resistive         Installation type/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         • Rated value 50 Hz       Yes         • Rated value 60 Hz       Yes         Mains/voltage failure stored energy time       10 ms         Power loss       1         In full configuration       155 W         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, ANT)         Chipset       Intel DH82C226 PCH         Graphics       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         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) 2 420 GB; al hard disk drives within the enclosure are vibration-damped; RAID 2 x 2.5° SATA ≥ 320 GB; solid-state drive (SSD) 2 420 GB; al hard disk drives within the enclosure are vibration-damped; RAID 2 x 2.5° SATA ≥ 320 GB; solid-state drive (SSD) 2	Mouse, at front	Front USB 2.0 (500mA)
Installation type/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         • Rated value 50 Hz       Yes         Mains buffering       10 ms         • Nations/voltage failure stored energy time       10 ms         Processor       For horizontal C(C/T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/AT, 2 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)         Optical drives       DVD±R±RW combi-drive, optional         3.5° SATA ≥ 500 GB, optional: 3.5° SATA ≥ 1 TB; RAID1 2x 2.5° SATA ≥ 320 GB; solid-state drive (SD) ≥ 240 GB, all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5° SATA ≥ 320 GB byte in removable drive are vibration-damped; RAID1 2x 2.5° SATA ≥ 320 GB byte in removable drive	Touch operation	
Installation type/mounting       For horizontal and vertical mounting         Design       Panel PC, built-in unit         certral 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         • Rated value 50 Hz       Yes         Mains buffering       10 ms         • Nation Structure       155 W         Processor       Processor         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/AT, 2 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         Hard disk       3.5° SATA ≥ 500 GB, optional: 3.5° SATA ≥ 1 TB; RAID1 2x 2.5° SATA ≥ 320 G G; sold-state drive (SD) ≥ 240 GB, all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5° SATA ≥ 320 G G; sold-state drive (SD) ≥ 240 GB, all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5° SATA ≥ 320 G GB; view in monobable drive	· · ·	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         • Rated value 60 Hz       Yes         Mains buffering       •         • Mains/voltage failure stored energy time       10 ms         Processor       Processor         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, ANT)         Chipset       Intel DH82C226 PCH         Graphic       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         A:s' SATA ≥ 500 GB, optional: 3.5'' SATA ≥ 1 TB; RAID1 2x 2.5'' SATA ≥ 320         G; solid-state drive (SDD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5'' SATA ≥ 320	-	
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       • 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       In full configuration     155 W       Processor     Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 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       3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; sold-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; sold-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; sold-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; sold-state drives (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB	Mounting	For horizontal and vertical mounting
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         • Rated value 60 Hz       Yes         • Rated value 60 Hz       Yes         • Rated value 60 Hz       Yes         • Mains/voltage failure stored energy time       10 ms         Power loss       110 ms         Processor       Processor         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)         Chipset       Intell DH82C226 PCH         Graphics       controller         Optical drives       DVD±R±RW combi-drive, optional         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; solid-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; R		-
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       • Rated value 60 Hz     Yes       • Mains/voltage failure stored energy time     10 ms       Power loss     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 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     DVb±R±RW combi-drive, optional       3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 126 gr. all hard disk drives within the enclosure are wibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive		
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       In full configuration         In full configuration       155 W         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.3 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, ANT)         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         3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 320 GB byte in removable drive within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive		
Supply voltage         Type of supply voltage         Line frequency         • Rated value 50 Hz         • Rated value 60 Hz         Yes         • Rated value 60 Hz         Yes         • Mains/voltage failure stored energy time         10 ms         Power loss         In full configuration         155 W         Processor         Processor         Processor type         Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)         Chipset         Intel DH82C226 PCH         Graphic         Graphic         Optical drives         DVD±R±RW combi-drive, optional         3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive		
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       • Mains/voltage failure stored energy time       10 ms         Power loss       In full configuration       155 W         Processor       Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 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       DVD±R±RW combi-drive, optional         A: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		
Line frequency       • Rated value 50 Hz       Yes         • Rated value 60 Hz       Yes         Mains buffering       • Mains/voltage failure stored energy time       10 ms         Power loss       In full configuration       155 W         Processor       Processor         Processor type       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 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         Ard disk       3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive		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       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 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       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         Drives       DVD±R±RtW combi-drive, optional         Ard disk       3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive (SD) ≥ 240 GB; all hard disk drives within the encource are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive		
• Rated value 60 Hz       Yes         Mains buffering       10 ms         • Mains/voltage failure stored energy time       10 ms         Power loss       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 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       DVD±R±RW combi-drive, optional         Afrid disk       3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive		Yes
Mains buffering       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 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         Astrona 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		
● 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 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         Graphic scontroller       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         Drives       Optical drives         AHrd disk       3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive		
Power loss         In full configuration       155 W         Processor         Processor type       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 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       DVD±R±RW combi-drive, optional         Alard 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		10 ms
In full configuration       155 W         Processor       Processor         Processor type       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2 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       DVD±R±RW combi-drive, optional         Altrid 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		
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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	Graphic	
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	Graphics controller	
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	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	Optical drives	DVD±R±RW combi-drive, optional
bay	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	SSD	Yes; ≥ 240 GB optional
Memory	Memory	
Type of memory DDR3-1600 DIMM	Type of memory	DDR3-1600 DIMM
Main memory 2 / 4 / 8 / 16 GB; ECC optional	Main memory	2 / 4 / 8 / 16 GB; ECC optional
Capacity of main memory, max. 16 Gbyte	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	As Disals, Dat and As DV(1), As VOA size a laster rable (artical)
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
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
Temperature monitoring	Yes
Watchdog	Yes
Status LEDs	Yes
• Fan	Yes
<ul> <li>Monitoring function via network</li> </ul>	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 field	
<ul> <li>Interference immunity against high frequency radiation</li> </ul>	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	
Interference immunity on supply cables	$\pm 2$ kV acc. to IEC 61000-4-4, burst; $\pm 1$ kV acc. to IEC 61000-4-5, surge symmetric; $\pm 2$ kV acc. to IEC 61000-4-5, surge asymmetric
<ul> <li>Interference immunity on signal cables &gt;30m</li> </ul>	$\pm 2$ kV acc. to IEC 61000-4-5, surge, length > 30 m
<ul> <li>Interference immunity on signal cables &lt; 30m</li> </ul>	$\pm 1$ kV acc. to IEC 61000-4-4; burst; length < 3 m; $\pm 2$ kV acc. to IEC 61000-4-4; burst; length > 3 m
Interference immunity against voltage surge	
asymmetric interference	±2 kV acc. to IEC 61000-4-5, surge asymmetric
symmetric interference	±1 kV acc. to IEC 61000-4-5, surge symmetric
Interference immunity to magnetic fields	
Interference immunity to magnetic fields at 50 Hz	100 A/m; to IEC 61000-4-8
Emission of conducted and non-conducted interference	
<ul> <li>Interference emission via line/AC current cables</li> </ul>	EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
	Yes
UL approval	
• UL 508	Yes
CULus	Yes
RCM (formerly C-TICK)	Yes
	Vac
KC approval	Yes

EMC	CE, EN 61000-6-4:2007, EN 61000-6-2:2005
Ambient conditions	
Ambient temperature during operation	
• min.	5 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
Relative humidity	Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80% at 25 $^\circ\mathrm{C}$ (no condensation)
Vibrations	
Vibration resistance during operation acc. to IEC 60068- 2-6	tested according to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm; 58 Hz to 500 Hz 9.8 m/s² (1 g)
Shock testing	
<ul> <li>Shock load during operation</li> </ul>	Tested to DIN IEC 60068-2-29: 50 m/s <sup>2</sup> (5 g), 30 ms, 100 shocks
Operating systems	
pre-installed operating system	Windows 7 Ultimate, 32-bit/64-bit, MUI; Windows Embedded Standard 7 P, 32- bit, MUI; Windows 10 Enterprise 2015 or 2016 LTSB, 64-bit, MUI
without operating system	Yes
pre-installed operating system	
• Windows 7	Yes; Ultimate 32 bit or 64 bit
Windows 10 Enterprise	Yes; Windows 10 Enterprise 2015 or 2016 LTSB, 64-bit, MUI
Software	
SIMATIC Software	Optional package with SIMATIC WinCC or WinAC RTX
Dimensions	
Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	465 mm
Mounting cutout, height	319 mm
Overall depth	112 mm
<ul> <li>additional mounting depth (optical drive)</li> </ul>	26 mm
Weights	
Weight, approx.	14 kg

last modified:

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