## SIEMENS

## Data sheet

## 6AV7260-1HA12-0XX3

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 XEON E3-1268LV3 (4C/8T, 2.3 (3.3) GHz, 8 MB cache VT-D, AMT); PROFIBUS/MPI CP 5622-compatible); 2 MB buffered SRAM 500 GB HDD SATA; 2 GB DDR3 1600 DIMM; 1x PCIE (X16); 1x PCIE (X4) without expansion (HW) without operating system without expansion (software) AC 110/230V industrial power supply unit with NAMUR; Power supply cable USA

General Information         IPC677D           Display         19" TFT touch           Design of display         19 in           Resolution (socies)         1 366 pixel           • Horizontal image resolution         788 pixel           Backlighting         • Works and the societ of th		cable USA
Display         19" TFT touch           Design of display         19" TFT touch           Screen diagonal         19 in           Readulating (pixels)         1386 pixel           • Horizontal image resolution         1386 pixel           • Workal image resolution         1386 pixel           • MTBF backlighting (at 25 °C)         50 000 h           Control aloments         • Mouse, at front           Impat device         • Mouse, at front           • Mouse, at front         Front USB 2.0 (500mA)           Touch operation         • Design a touch screen           • Design a touch screen         Yes; analog, resistive           Installation type/mounting         For horizontal and vertical mounting           Design a touch screen         Yes           Mounting         Panel PC, built-I unit           Design a promissible installation angle +/-         20"           Supply voltage         100/240 VAC (autorange); 24 V DC           Line frequency         Yes           • Raded value 50 Hz         Yes           • Raded value 50 Hz         Yes           • Rade value 60 Hz         Yes           • Rade value 60 Hz         Yes           • Mains buffering         Oderon Grisoznti (2/2/27, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2/2/47,	General information	
Design of display     19" TFT touch       Screen diagonal     19 in       Resolution (pixels)     1366 pixel       • Morizontal image resolution     1366 pixel       • WTEF backlighting (at 25 °C)     50 000 h       Control elements     50 000 h       Input device     •       • Mouse, at front     Front USB 2.0 (500mA)       Touch operation     •       • Design as buck screen     Yes; analog, resistive       Installation typo/mounting     For horizontal and vertical mounting       Design as buck screen     Yes; analog, resistive       Installation typo/mounting     For horizontal and vertical mounting       Design as buck screen     Yes; analog, resistive       Installation typo/mounting     For horizontal and vertical mounting       Design apply voltage     100/240 V AC (autorange); 24 V DC       Line frequency     •       • Rated value 50 Hz     Yes       Mains buffering     165 W       Processor     Celeron G1820TE (2C/2T, 2, 2 GHz, 2 MB Cache); Core I3-4330TE (2C/4T, 2 4, GHz, 2 MB Cache); Xore I3-4330TE (2C/4T, 2 4, GHz, 2 MB Cache); Xore I3-4330TE (2C/4T, 2 4, GHz, 2 MB Cache); Xore I3-4330TE (2C/4T, 2 4, GHz, 2 MB Cache); Xore I3-4330TE (2C/4T, 2 4, GHz, 2 MB Cache); Xore I3-4330TE (2C/4T, 2 4, GHz, 2 MB Cache); Xore I3-4330TE (2C/4T, 2 4, GHz, 2 MB Cache); Xore I3-4328L, v3 (4C/4T, 2 3 (3.3) GHz, 8 MB Cache, AMT       Indi configuration     155 W	Product type designation	IPC677D
Screen diagonal     19 in       Resolution (paxels)     1366 pixel       • Horizontal image resolution     768 pixel       Backlighting     • MTB* backlighting (at 25 °C)     50 000 h       Control elaments     Front USB 2.0 (500mA)       Input device     • Mouse, at front     Front USB 2.0 (500mA)       • Dosign as buch screen     Yes; analog, resistive       Installation type/mounting     For horizontal and vertical mounting       Dosign as buch screen     Yes       Mounting     For horizontal and vertical mounting       Design     Panel PC, built-in unit       central design     Yes       Mounting in portrait format possible     Yes       Musting in portrait format possible     Yes       Supply voltage     100/240 V AC (autorange); 24 V DC       Ine frequency     Ine frequency       • Rated value 50 Hz     Yes       • Rated value 50 Hz     Yes       • Rated value 50 Hz     Yes       • Rated value 60 Hz     Yes       • Mains-Voltage failure stored energy time     10 ms       Processor     In fall configuration       Processor     Celeron 61 4820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core I3-4330TE (2C/4T, 2.4 GHz, 2 MB Cache); Xeen E3-1268L v3 (4C/2T, 2.3 (3.3) GHz, 8 MB Cache, ATT       Processor     Intel HD graphics controller P4600 GT2 (Xeor, Core I3); Intel HD graphic	Display	
Screen diagonal     19 in       Resolution (paxels)     1366 pixel       • Horizontal image resolution     768 pixel       Backlighting     • MTB* backlighting (at 25 °C)     50 000 h       Control elaments     Front USB 2.0 (500mA)       Input device     • Mouse, at front     Front USB 2.0 (500mA)       • Dosign as buch screen     Yes; analog, resistive       Installation type/mounting     For horizontal and vertical mounting       Dosign as buch screen     Yes       Mounting     For horizontal and vertical mounting       Design     Panel PCe, built-In unit       central design     Yes       Mounting in portrait format possible     Yes       Mutting in portrait format possible     Yes       Supply voltage     100/240 V AC (autorange); 24 V DC       Ine frequency     Ine frequency       • Rated value 50 Hz     Yes       •	Design of display	19" TFT touch
Resolution (pixels)         1366 pixel           • Vertical image resolution         768 pixel           Backlighting         *           • MTBF backlighting (at 25 °C)         50 000 h           Control alimage resolution         768 pixel           • Morea, af tont         Front USB 2.0 (500mA)           Touch operation         *           • Doesign as bout screen         Yes; analog, resistive           Mousing in portrait format possible         Yes           Mounting in portrait format possible         Yes           Mains buffering         Yes           • Rated value 50 Hz         Yes           • Rated value 50 Hz         Yes           • Rated value 50 Hz         Yes           • Mains buffering         10 ms           Procesor         Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core (34330TE (2C/4T, 2.4 GHz, 2 MB Cache); Core (34330TE (		19 in
Horizontal image resolution     1366 pixel     Vertical image resolution     768 pixel     768		
• Vertical image resolution         768 pixel           Backlighting		1 366 pixel
Backlighting     60 000 h       • MTBF backlighting (at 25 °C)     50 000 h       Input device     Font USB 2.0 (500mA)       • Mouse, at front     Font USB 2.0 (500mA)       • Design as touch 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     Yes       • Rated value 60 Hz     Yes       • Rated value 60 Hz     Yes       • Mains/voltage failure stored energy time     10 ms       Power loas     Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core I3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-128B, V3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)       Chipset     Intel DBasc228 PCH       Processor     Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core I3-4330TE (2C/4T, 2.4 GHz, 4 MB Cache); Xeon E3-128B, V3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)       Chipset     Intel DBasc228 PCH       Optical drives     DVDaRaRW combi-drive, optional       3r ShaTA ≥ 500 GB, optional     3r ShaTA ≥ 1 TB; RAID1 2x 2 S' SATA ≥ 320 GB byte in removable drive bay       SSD     Yes; 240 GB optional       Meanory     DRRa1600 DIMM	-	
MTBF backlighting (at 25 °C)     50 000 h Control elements  Input device      Mouse, at front     Front USB 2.0 (500mA)  Touch operation     Joseign as buch screen     Yes; analog, resistive Installation type/mounting Mounting     For horizontal and vertical mounting     Design     Central design     Yes     Mounting in portrait format possible     Yes maximum permissible installation angle +/-     Supply voltage     100/240 V AC (autorange); 24 V DC     Line frequency     Rated value 50 Hz     Yes     Rated value 50 Hz     Yes     Rated value 50 Hz     Yes     Mains buffering     Mounting     Tore of supply voltage     In full configuration     Porcessor      Processor type     Celeron C1820TE (2C/ZT, 2.2 CHz, 2 MB Cache); Core B 4330TE (2C/AT, 2.4 MB Cache); Xeen E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)     Chipset     Intel DH82C226 PCH     Graphics controller     Optical drives     Dybtar&W controller P4600 GT2 (Xeon, Core (3); Intel HD graphics     controller for year of the dive supply controller of the dive supple supple supple supples     SSD     Yes; 240 GB optional     Meanory     Type of memory     DDR3-1600 DIMM		
Control elements         Input device         • Mouse, at front         Touch operation         • Design as touch 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         Type of supply voltage       100/240 V AC (autorange); 24 V DC         Line frequency       Yes         • Rated value 60 Hz       Yes         • Mains buffering       10 ms         • Mains buffering       10 ms         • Nation function       155 W         Processor       Processor         Processor type       Celeron G1820TE (2C/27, 2.2 GHz, 2 MS Cache); Core I3-4330TE (2C/47, 2.4 GHz, 4 MB Cache); Core I3,9 GHz, 8 MB Cache, MAT)         Chipset       Intel HD graphics controller Add (Celeron, Core I3); Intel HD graphics controller Add (Celeron, Core I3); Intel HD graphics controller (Celeron)         Drives       DybrarRW combi-drive, optional         Optical drives		50 000 h
Input device     Front USB 2.0 (500mA)       Touch operation     • Design as touch screen       Yes; analog, resistive       Installation type/mounting       Mounting     For horizontal and vertical mounting       Design     Panel PC, bulk-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 buffering     10 ms       • Mains buffering     10 ms       • Nation function     155 W       Processor     Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core I3-4330TE (2C/4T, 2.4 GHz, 1 MB Cache); Core I3-4330TE (2C/4T, 2.4 GHz, 2 MB Cache); Core I3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, MAT       Graphics     DVDARARW combi-drive, optional       Graphics     DVDARARW combi-drive, optional       Opti		
• Mouse, at front        Front USB 2.0 (600mA)          Touch operation           • Design as bouch screen          Mounting        For horizontal and vertical mounting          Mounting        Poelogin and vertical mounting          Design as bouch screen        Panel PC, built-in unit          Central design        Panel PC, built-in unit          Central design        Yes          Mounting in portrait format possible        Yes          Mains upply voltage        100/240 V AC (autorange); 24 V DC          Line frequency        Yes           • Rated value 50 Hz        Yes          Mains buffering        10 ms          Power loss            In full configuration        155 W          Processor           Processor type        Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core 13-4330TE (2C/4T, 2.4          Graphics controller       Intel DH8c2228 PCH          Graphic		
Touch operation         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           Mains buffering         • Ves           Mains buffering         10 ms           Processor         Processor           Processor         Celeron G1820TE (2C/2T, 22 GHz, 2 MB Cache); Core 13-4330TE (2C/4T, 2.4 GHz, 4 ME Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)           Chipset         Intell DB1202266 PCH           Graphic         Intell HD graphics controller P4600 GT2 (Xeon, Core 13), Intel HD graphics controller Cale of the enclosure are vibration-damped; SCD Celeron G18, 2D1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are vibration-damped; RID1 2x		Front USB 2.0 (500mA)
● Design as buch screen       Yes; analog, resistive         Instalation 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 60 Hz       Yes         • Mains/voltage failure stored energy time       10 ms         Pocessor       Processor         Processor       Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-4330TE (2C/4T, 2.4 MB Cache); Core i3-4330TE (2C/4T, 2.4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache, AMT)         Chipset       Intel UH82C226 PCH         Graphic       Intel HD graphics controller P4600 GT2 (Xeon, Core i3), Intel HD graphics controller (Celeron of Cortholler P4600 GT2 (Xeon, Core i3), Intel HD graphics controller (Celeron of Celeron GHz) = 100 Controller (Celeron GHz) = 100 Controller (Celeron GHz) = 100 Controller (Celeron GHz) = 240 GB; all hard disk drives within the enclosure are verbration-damped; RAD1 2 x 2.5" SATA 2 320 GB; solid-state drive (SSD) ≥ 240 GB; all hard disk drives within the enclosure are verbration-damped; RAD1 2 x 2		
Installation type/mounting       For horizontal and vertical mounting         Mounting       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         Processor       In full configuration         Processor       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 DH32C226 PCH         Graphic       Intel DH22C226 PCH         Graphic       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller Celeron)         Drives       DVDaRtaRW combi-drive, optional         Alsr       3.5" SATA ≥ 500 GB, optional: 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; RAD1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay         SSD       Yes; ≥ 240 GB optiona	· · · · ·	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 50 Hz       Yes         • Rated value 60 Hz       Yes         Mains buffering       10 ms         • Nation source of galaxies       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, 2.4 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       DVDaR4RW combi-drive, optional         Graphics       DVDaR4RW combi-drive, optional         Astra > 300 GB byte in removable 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		
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     100/240 V AC (autorange); 24 V DC <ul> <li>Rated value 50 Hz</li> <li>Rated value 50 Hz</li> <li>Rated value 50 Hz</li> <li>Ves</li> </ul> <ul> <li>Ated value 50 Hz</li> <li>Yes</li> <li>Rated value 50 Hz</li> <li>Ves</li> <li>Mains buffering</li> <li>Mains buffering</li> <li>In full configuration</li> <li>155 W</li> </ul> Processor     Celeron G1820TE (2C/2T, 2.2 GHz, 2 MB Cache); Core i3-430TE (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 DH82C286 PCH           Graphic         Graphics controller           Graphics controller         Intel DHB graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)           Drives         DVD±R±RW combi-drive, optional           Ogs cold fives         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 yte in removable drive bay           SSD         Yes; ≥ 240 GB optional           Memory         DDR3-1600 DIMM		For barizontal and vartical mounting
central design       Yes         Mounting in portrait format possible       Yes         Mounting in portrait format possible       Yes         Minum 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 50 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, 2.4 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         Graphic       Intel DH8 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, aptional: 3.5" SATA ≥ 320 GB is alt and 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		
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     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 DH82C226 PCH       Graphics     Controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller Celeron)       Drives     DVD±R±RW combi-drive, optional       Airs All Sache (SS) ≥ 240 GB, optional: 3.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all and disk drives within the enclosure are volvation-damped, RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all and disk drives within the enclosure are volvation-damped, RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all and disk drives within the enclosure are volvation-damped, RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all and disk drives within the enclosure are volvation-damped, RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all and disk drives within the enclosure are volvation-damped, RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all and disk drives within the enclosure are volvation-damped, RAID1 2x 2.5" SATA ≥ 320 GB; solid-state drive (SSD) ≥ 240 GB; all and disk drives wit		
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     10 ms       • Mains/voltage failure stored energy time     10 ms       Power loss     100/240 V AC (autorange); 24 V DC       In full configuration     15 W       Processor     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       Graphics     controller P4600 GT2 (Xeon, Core I3); 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 GP optional: 3.5° SATA ≥ 175; RATA ≥ 320 GB; solid-state drive (SSD) ≥ 440 GB; all hard disk drive 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	· · · · · · · · · · · · · · · · · · ·	
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         Power loss       10 ms         Processor       • Mains/voltage failure stored energy time         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       DVD±R±RW combi-drive, optional         Air Source       Sis SATA ≥ 500 GB, optional: 3.5" SATA ≥ 1 TB; RAID1 2x 2.5" SATA ≥ 320 GB solit-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		
Type of supply voltage       100/240 V AC (autorange); 24 V DC         Line frequency       • Rated value 50 Hz         • Rated value 60 Hz       Yes         Mains/voltage failure stored energy time       10 ms         Power loss       10 ms         In full configuration       155 W         Processor       Geleron 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       DVD±R±RW combi-drive, optional         Astronomical drives       DVD±R±RW combi-drive, optional         Hard disk       3.5" SATA ≥ 500 GB, optional: 3.5" SATA ≥ 17 B; RAID1 2x 2.5" SATA ≥ 320 GB byte in removable drive bay         SSD       Yes; ≥ 240 GB optional         Memory       DDR3-1600 DIMM		20*
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         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       • 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 byte in removable drive bay         SSD       Yes; ≥ 240 GB optional         Memory       DDR3-1600 DIMM		
• 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, 2.4 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       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 (SD) ≥ 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		100/240 V AC (autorange); 24 V DC
• 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, 2.4 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 ≥ 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       DDR3-1600 DIMM	Line frequency	
Mains buffering         • Mains/voltage failure stored energy time       10 ms         Power loss       11 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       controller (Celeron)         Ortical drives       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         Dvital 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	Rated value 50 Hz	Yes
• 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       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         Aard 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	Rated value 60 Hz	Yes
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       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         Afrid 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	Mains buffering	
In full configuration       155 W         Processor       Processor type         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 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 byte in removable drive bay         SSD       Yes; ≥ 240 GB optional         Memory       DDR3-1600 DIMM	<ul> <li>Mains/voltage failure stored energy time</li> </ul>	10 ms
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         Øttal 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	Power loss	
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       DVD±R±RW combi-drive, optional         African 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	In full configuration	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 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         Africa 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	Processor	
Graphic         Graphics controller       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	Processor type	GHz, 4 MB Cache); Xeon E3-1268L v3 (4C/8T, 2.3 (3.3) GHz, 8 MB Cache,
Graphics controller       Intel HD graphics controller P4600 GT2 (Xeon, Core i3); Intel HD graphics controller (Celeron)         Drives       DVD±R±RW combi-drive, optional         Ard disk       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       Type of memory         DDR3-1600 DIMM       DDR3-1600 DIMM	-	Intel DH82C226 PCH
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       Type of memory       DDR3-1600 DIMM	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 bay         SSD       Yes; ≥ 240 GB optional         Memory       DDR3-1600 DIMM	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 bay         SSD       Yes; ≥ 240 GB optional         Memory       Type of memory         DDR3-1600 DIMM	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	Optical drives	DVD±R±RW combi-drive, optional
Memory         DDR3-1600 DIMM	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	SSD	Yes; ≥ 240 GB optional
	Memory	
Main memory 2 / 4 / 8 / 16 GB; ECC optional	Type of memory	DDR3-1600 DIMM
	Main memory	2 / 4 / 8 / 16 GB; ECC optional

Capacity of main moment, may	16 Chuto
Capacity of main memory, max.	16 Gbyte
Data areas and their retentivity	2 Meuter 420 I/D can be alwayd in the buffer lines of the
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
Connection for keyboard/mouse	USB / USB
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	
<ul> <li>Industrial Ethernet interface</li> </ul>	Onboard, 2x 10 / 100 / 1000 Mbit, RJ45
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
<ul> <li>Temperature monitoring</li> </ul>	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	
<ul> <li>Interference immunity on supply cables</li> </ul>	±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
Interference immunity on signal cables >30m	±2 kV acc. to IEC 61000-4-5, surge, length > 30 m
<ul> <li>Interference immunity on signal cables &lt; 30m</li> </ul>	±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 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	
Interference emission via line/AC current cables	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
UL approval	Yes
	Yes
• UL 508	
CULus RCM (formarly C TICK)	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes

FCC	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	
<ul> <li>Vibration resistance during operation acc. to IEC 60068- 2-6</li> </ul>	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/s² (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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