## SIEMENS

## Data sheet

## 6ES7647-8BB22-0EA1

SIMATIC IPC227E (Nanobox PC); 1x display port; 2x 10/100/1000 Mbit/s Ethernet RJ45; 1 x USB3.0, 3 x USB2.0; CFast slot; 24 V DC industrial power supply Celeron N2930 (4C/4T) 4 GB RAM; Box: Basis with COM 1/2 without operating system 256 GB Eco SSD; without SIMATIC software DIN rail mounting

	system 256 GB Eco SSD; without SIMATIC software DIN rail mounting
Installation type/mounting	
Mounting	DIN rail, wall mounting, portrait mounting
Design	Box PC, built-in unit
Supply voltage	
Type of supply voltage	24 V DC
Mains buffering	
<ul> <li>Mains/voltage failure stored energy time</li> </ul>	20 ms
Processor	
Processor type	Intel Celeron N2807 / N2930, Intel Atom E3845
Chipset	SoC
Graphic	
Graphics controller	Integrated
Drives	
Hard disk	2.5" SATA ≥ 320 GB
SSD	Yes; 256 Eco / 240 / 480 GB
Memory	
Type of memory	DDR3L SO-DIMM
Main memory	2/4/8 GB
Capacity of main memory, max.	8 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time; optional
Hardware configuration	
Slots	
free slots	1x PCIe (x1) (optional)
Number of PCI slots	1; Optional
Number of compact flash slots	1; CFast
Interfaces	
Number of industrial Ethernet interfaces	2; 2x Ethernet (RJ45)
USB port	1x USB 3.0 / 3x USB 2.0
Connection for keyboard/mouse	USB / USB
serial interface	Without / 2x COM (RS 232 / 422 / 485), selectable in the BIOS
Video interfaces	
Graphics interface	1x DisplayPort
Industrial Ethernet	
Industrial Ethernet interface	2x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
Integrated Functions	
Monitoring functions	
Temperature monitoring	Yes
Watchdog	Yes
Status LEDs	1x power, 3x user
• Fan	No
Monitoring function via network	Optional
EMC	
Interference immunity against discharge of static electricity	
Interference immunity against discharge of static electricity	$\pm$ 6 kV contact discharge acc. to IEC 61000-4-2; $\pm$ 8 kV air discharge acc. to IEC 61000-4-2
Interference immunity against high-frequency electromagnetic fiel	
interior of the initiality against high-nequency electron agricult lich	40

Interference immunity to apply calcies Provided and according to the Control of Control	<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 on supply cables     \$2 Vac. to EC 61000-4, burst, F1 Vac. to EC 61000-4, supple symmetric       • Interference immunity on signal cables - 30m     \$2 Vac. to EC 61000-4, burst, furgith - 3 m       • Interference immunity on signal cables - 30m     \$2 Vac. to EC 61000-4, burst, furgith - 3 m       • symmetric interference     \$2 Vac. to EC 61000-4, burst, furgith - 3 m       • symmetric interference     \$2 Vac. to EC 61000-4, burst, furgith - 3 m       • symmetric interference     \$2 Vac. to EC 61000-4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000-4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000-4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000-4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000-4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000-4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000-4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000, 4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000, 4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000, 4, burst, furgith - 3 m       • interference immunity to magnetic fields     100 Am; to EC 61000, 4, burst, furgith - 3 m <td< td=""><td>Interference immunity to cable-borne interference</td><td></td></td<>	Interference immunity to cable-borne interference	
Itsefference immunity on signal cables < 30m     If W act, to IFC 61000 4-4; burst; length < 3 m; s2 W act, to IFC 61000 4-4; burst; length < 3 m; s2 W act, to IFC 61000 4-4; burst; length < 3 m; s2 W act, to IFC 61000 4-5, surge symmetric     symmetric interference     symmetric interference     interference immunity to magnetic fields at 50 Hz     Interference     Interference immunity to magnetic fields at 50 Hz     Interference     In		
Interference immunity splints veltage surge         42 kV ac: to EC 61000-45, surge asymmetric           • symmetric interference         42 kV ac: to EC 61000-45, surge asymmetric           • Interference immunity to magnetic fields at 50 Hz.         100 Am; to EC 61000-4.0           Emission of consider and not-conditional interference         EN 8100-6.3. EN 61000-6.4. (SISPR 22 Class A           Organs and Class of protection         IP dogree of protection           IP dogree of protection         IP 40           Standards approvals, estificates         C           CE mark         Yes           UL approval         Yes           CULus         Yes           CULus         Yes           CULus         Yes           EMC         Yes           CULus         Yes           CULus         Yes           CULus         Yes           CAD         Yes           CAD         Yes           CULus         Yes           CULus         Yes           CULus         Yes           CAD         Yes           CAD         Yes           CULus         Standards steas           Yes         Standards steas           CULus         Standards steas	<ul> <li>Interference immunity on signal cables &gt;30m</li> </ul>	±2 kV acc. to IEC 61000-4-5, surge, length > 30 m
Interference immunity appared values using a significant of the sign methods interference         21 kV acc. to IEC 61000-4-5, surge asymmetric           • symmethic interference         21 kV acc. to IEC 61000-4-5, surge asymmetric           • Interference immunity to magnetic fields at 50 Hz         100 Am; to IEC 61000-4-5, surge asymmetric           • Interference immunity to magnetic fields at 50 Hz         100 Am; to IEC 61000-4-8           Emission of conducted informace emission value interference         En 1000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A           Obgroe and class of protection         IP 40           IP degree of potection         IP 40           ID approval         Yes           UL approval         Yes           UL sporo         Yes           CE mark.         Yes           UL approval         Yes           CCD         CE, EN 61000-6-4, 2007, EN 6100-6-2, 2006           Dust protection         Protection against foreign bodies > 1 mm           Use in hazardosa areas         Yes: Optional           • AFEZ Zone 2         Yes: Optional <td><ul> <li>Interference immunity on signal cables &lt; 30m</li> </ul></td> <td>±1 kV acc. to IEC 61000-4-4; burst; length &lt; 3 m; ±2 kV acc. to IEC 61000-4-4;</td>	<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;
is anymetric interference         is 24 V acc. to IEC 6 1000-4.5, surge asymmetric         interference immunity to magnetic fields         interference	, ,	burst; length > 3 m
±1 kV acc. to IEC 6 1000-4.5, surge symmetric           Interference immunity to magnetic fields at 50 Hz         100 A/m. to IEC 6 1000-4.3           Emission of conducted and non-conducted Interference         Emission of conducted and non-conducted Interference           Interference immunity to magnetic fields at 50 Hz         Emission of conducted and non-conducted Interference           Interference immunity to magnetic fields         EM 81000-63, EN 61000-64, CISPR 22 Class B, FCC Class A           Pagnet optotection         PAd           Standards, approvals, certificates         FAd           CE mark         Yes           UL approval         Yes           UL approval         Yes           CL mark         Yes           UL approval         Yes           CL approval         Yes           CL approval         Yes           CL approval         Yes           CL approval         Yes           CC C         Yes           RCM (primetry C-TICK)         Yes           Dast protection         Protection against forcing bioles > 1 mm           Use Inbazatous areas         Yes: Optional           • ATEX Zone 2         Yes: Optional           • ATEX Zone 2         Yes: Optional           • CECEx Zone 2         Yes: Optional	Interference immunity against voltage surge	
Interference immunity to magnetic fields at 50 Hz         100 Atm; to IEC 81000-4-8           Interference emission via line/AC current cables         EN 81000-6-4, CISPR 22 Class B, FCC Class A           Orgens and class of protection         IPA0           Standards, approvals, contificates         Yes           CE mark         Yes           UL approval         Yes           CE mark         Yes           UL approval         Yes           CC mark         Yes           CLUs         Yes           CLUs         Yes           CCL         Yes           CCC         Yes           FCC	<ul> <li>asymmetric interference</li> </ul>	±2 kV acc. to IEC 61000-4-5, surge asymmetric
<ul> <li>Interference immunity to magnetic fields of 0 Hz</li> <li>Interference emission via line/AC current cables</li> <li>Emission of conducted and non-conducted interference</li> <li>Interference emission via line/AC current cables</li> <li>EN 61000-6-3, EN 61000-6-3, CISPR 22 Class B, FCC Class A</li> </ul> Pagee and class of protection         IP40           Standards, approvals, certificates         En 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A           CE mark         Ves           U, approval, certificates         Yes           CE mark         Yes           U, 508         Yes           CLUs         Yes           FCO         Yes           FCO         Yes           FCO         Yes           FCO         Yes           EMG         OCE, EN 61000-6-4, 2007, EN 61000-6-2, 2005           Dust protection         Errore to find forcing bodies > 1 mm           Vesi, Optional         Yes; Optional           • ATEX Zone 2         Yes; Optional           • ATEX Zone 2         Yes; Optional           • Cluc Sis I Zone 2, Division 2         Yes; Optional           • Cluc Sis I Zone 2, Division 2         Yes; Optional           • Cluc Sis I Zone 2, Division 2         Yes; Optional           • Cluc Sis I Zone 2, Division 2         Yes; Optional	symmetric interference	±1 kV acc. to IEC 61000-4-5, surge symmetric
Ensisten of conducted and non-conducted interference         EN 61000-6-4, CISPR 22 Class B, FCC Class A           Degree and class of protection         IP degree of protection           IP degree of protection         IP 40           Standards, approval         Yes           OE mark         Yes           UL approval         Yes           OE mark         Yes           UL approval         Yes           CULus         Yes           CULus         Yes           RCM (formerly C-TICK)         Yes           FCC         Yes           FCC         Yes           FCC         Yes           FCC         Yes           ENC Conce         Yes           FCC         Yes           ENC Conce         Yes           FCC         Yes           ENC Conce         Yes           FCC Xone 2         Yes           Surget and therefore and theref	Interference immunity to magnetic fields	
• Interfarence emission via line/AC current cables         EN 61000-6-3, EN 61000-6-4, CISFR 22 Class B, FCC Class A           Degree and class of protection         IP40           Standards, approvals, certificates            CE mark         Yes           UL approval         Yes           UL 050         Yes           OLL 050         Yes           CC mark         Yes           RCM (formerly C-TICK)         Yes           Dast protection         Protection against foreign bodies > 1 nm           Use in hazardous areas         -           • ATEX Zone 2         Yes: Optional           • OLlus Class Izone 2, Division 2         Yes: Optional           • OLlus Class Izone 2, Division 2         Yes: Optional           • OLlus Class Izone 3, Division 2         Yes           • Del Marake Verings (DN)         Yes           • De Marake Verings (DN)         Yes	<ul> <li>Interference immunity to magnetic fields at 50 Hz</li> </ul>	100 A/m; to IEC 61000-4-8
Degree and class of protection         IP dogree of protection           IP degree of protection         IP dogree of protection           CE mark         Yes           UL approval         Yes           -UL 080         Yes           CULUs         Yes           CULUs         Yes           CULUs         Yes           CCC         Yes           CCC         Yes           FCC         Yes           CLICLAS Clone 2         Yes: Optional           IECEX Zone 2         Yes: Optional           IECEX Zone 2         Yes: Optional           IECEX Zone 2         Yes: Optional           IDeta Instance for Shipping (KRS)         Yes           IDaydis Register of Shipping (KRS) </td <td>Emission of conducted and non-conducted interference</td> <td></td>	Emission of conducted and non-conducted interference	
Standards, approvals, certificates         CE mark       Yes         UL approval       Yes         • UL 508       Yes         cULus       Yes         cULus       Yes         cULus       Yes         cULus       Yes         cULus       Yes         CCC       Yes         FCC       Yes         FCC       Yes         EMC       CE, EN 61000-6-2:2005         Dust protection       Protection against foreign bodies > 1 mm         Use In hazardous areas       ************************************		EN 61000-6-3, EN 61000-6-4, CISPR 22 Class B, FCC Class A
CE mark     Yes       UL approval     Yes       ULL 508     Yes       cULus     Yes       RCM (fomenty C-TICK)     Yes       KC approval     Yes       FCC     Yes       EMC     Dust protection       Protection against foreign bodies > 1 mm       Use in hazardous areas     Yes: Optional <ul> <li>FCC Xone 2</li> <li>Yes: Optional</li> <li>ECEX Zone 2</li> <li>Yes: Optional</li> <li>Yes</li> <li>Ecex Zone 2</li> <li>Yes</li> <li></li></ul>	IP degree of protection	IP40
UL approval     Yes       • UL 508     Yes       CULus     Yes       RCM (formerly C-TICK)     Yes       RCA (formerly C-TICK)     Yes       FCC     Yes       FCC     Yes       ENC     Dust protection       Dust protection     Protection against foreign bodies > 1 mm       Use in hazardous areas     *       • ATEX Zone 2     Yes: Optional       • ICECX Zone 2     Yes: Optional       • ULus Class I Zone 2, Division 2     Yes: Optional       • Cermanischer Ltoyd (GL)     Yes       • American Bureau of Shipping (ABS)     Yes       • Dust protection Register of Shipping (RSS)     Yes       • Lodys Register of Shipping (RSS)     Yes       • Nippon Kaji Kyokai (Class NK)     Yes       • Ambient temperature during operation     • O'C'2' °C as option       • min.     0 °C'20 °C as option       • min.     60 °C       Relative humidity     Tested according to IEC 60068-2-78, IEC 60088-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transpor	Standards, approvals, certificates	
• UL 508         Yes           cULus         Yes           RCM (formerly C-TICK)         Yes           RCC         Yes           FCC         Yes           FCC         Yes           FCC         Yes           EMC         CEL           Data protection         Protection against foreign bodies > 1 mm           Use in hazardous areas         •           • ATEX Zone 2         Yes: Optional           • CULus Class I Zone 2, Division 2         Yes: Optional           • Cluss I Zone 2, Division 2         Yes: Optional           • Cernamischer Loyd (GL)         Yes           • American Bureau of Shopping (ARS)         Yes           • Bureau Varias (BV)         Yes           • Otrans Register of Shipping (KRS)         Yes           • Ulyds Register of Shipping (KRS)         Yes           • Using Class IXZone Class IXZone Society (CCS)         Yes           Ambient temperature during operation         • 0*C: -20 *C as option           • inin.         0 *C: -20 *C as option           • inin.         0 *C: -20 *C as option           • inin.         0 *C           • inin.         -20 *C           • inin.         -20 *C           • inax.	CE mark	Yes
cULus     Yes       RCM (formerly C-TICK)     Yes       KC approval     Yes       FCC     Yes       EMC     CE, EN 6100-6-4:2007, EN 6100-6-2:2005       Dust protection     Protection against foreign bodies > 1 mm       Use in hazardous areas        • ATEX Zone 2     Yes; Optional       • CECE Zone 2     Yes; Optional       • CECE Zone 2     Yes; Optional       • Certainscher Ludy (GL)     Yes       • American Bureau of Shipping (ABS)     Yes       • Bureau Ventas (BV)     Yes       • Eler Ansek Vertias (DNV)     Yes       • Loyds Register of Shipping (LRS)     Yes       • Lioyds Register of Shipping (LRS)     Yes       • Loyds Register of Shipping (LRS)     Yes       • Lioyds Register of Shipping (LRS)     Yes       • Lioyds Re	UL approval	Yes
RCM (formerly C-TICK)       Yes         RC approval       Yes         FCC       Yes         EMC       CCE, EN 61000-6-4:2007, EN 61000-6-2:2005         Dust protection       Protection against foreign bodies > 1 mm         Use In Prazardous areas       *         • ATEX Zone 2       Yes: Optional         • OLLs Closs I Zone 2, Division 2       Yes: Optional         • OLLs Closs I Zone 2, Division 2       Yes: Optional         • Ottac Closs I Zone 2, Division 2       Yes: Optional         • Ottac Closs I Zone 2, Division 2       Yes: Optional         • Ottac Closs I Zone 2, Division 2       Yes: Optional         • Ottac Closs I Zone 2, Division 2       Yes: Optional         • Ottac Closs I Zone 2, Division 2       Yes: Optional         • Ottac Closs I Zone 2, Division 2       Yes: Optional         • Ottac Closs I Zone 2, Division 2       Yes         • Iureau Veritas (DNY)       Yes         • Eventse Classification Society (CCS)       Yes         • Iureau Veritas (DNY)       Yes         • Ottace Classification Society (CCS)       Yes         • Ottace Classification Society (CCS)       Yes         • Ottace Classification Society (CCS)       Yes         • Init.       0 °C C       °C C		Yes
KC approval     Yes       FCC     Yes       EMC     CE, EN 6100-6-4:2007, EN 6100-6-2:2005       Dust protection     Protection against foreign bodies > 1 mm       Use in hazardous areas     ************************************		Yes
FCC       Yes         EMC       CE, EN 61000-6-2:2005         Dust protection       Protection against foreign bodies > 1 mm         Use in hazardous areas       *         • ATEX Zone 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eTerm approval       Yes         • Charea Bureau Of Shipping (ABS)       Yes         • Bureau Veritas (BV)       Yes         • Norske Veritas (DNV)       Yes         • Norse Classification Society (CCS)       Yes         • Ambient conditions       0 °C; -20 °C as option         • mint.       0 °C; -20 °C as option         • mink.       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-80; Operation: 5 % to 85 % at 25 / 55 °C (no condensation), storage / transport: 5 % to 85 % at 25 / 55 °C (no condensation), storage / transport: 5 % to 85 % at 25 / 55 °C (no c	RCM (formerly C-TICK)	Yes
FCC       Yes         EMC       CE, EN 61000-6-2:2005         Dust protection       Protection against foreign bodies > 1 mm         Use in hazardous areas       Yes; Optional         • ATEX Zone 2       Yes; Optional         • ECEx Zone 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eUlus Class I Zone 2, Division 2       Yes; Optional         • eText approval       Step optional         • American Bureau of Shipping (ABS)       Yes         • Bureau Vertias (BV)       Yes         • Det Norske Vertias (DNV)       Yes         • Elocys Register of Shipping (LRS)       Yes         • Chinese Classification Society (CCS)       Yes         Ambient conditions       O °C; -20 °C as option         Ambient temperature during storage/transportation       -0 °C         • min.       -20 °C         • max.       60 °C         Ambient temperature during storage/transportation       -0 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 25 / 55 °C (no condensation), storage / transport. 5 % to 85 % at 25 / 55 °C (no condensation), storage / transport. 5 % to 85 % at 25 / 55		Yes
Dust protection         Protection against foreign bodies > 1 mm           Use in hazardous areas         ************************************	FCC	Yes
Use in hazardous areas       Ves; Optional         • ATEX Zone 2       Yes; Optional         • ECEx Zone 2, Division 2       Yes; Optional         • Clus Class 1 Zone 2, Division 2       Yes; Optional         • Germanischer Lloyd (GL)       Yes         • American Bureau of Shipping (ABS)       Yes         • Bureau Veritas (BV)       Yes         • Det Norske Verifas (DNV)       Yes         • Det Norske Verifas (DNV)       Yes         • Loydy Register of Shipping (RRS)       Yes         • Loydy Register of Shipping (RRS)       Yes         • Loydy Register of Shipping (RRS)       Yes         • Nippon Kaiji Kyokai (Class NK)       Yes         • Othorske Verifas (DNV)       Yes         • Nippon Kaiji Kyokai (Class NK)       Yes         • Nippon Kaiji Kyokai (Class NK)       Yes         • Nippon Kaiji Kyokai (Class NK)       Yes         • Ambient conditions       Ambient conditions         Ambient conditions       0 °C; -20 °C as option         • min.       -20 °C         • min.       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30; Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 25 / 55 °C (no condensation), storage	EMC	CE, EN 61000-6-4:2007, EN 61000-6-2:2005
• ATEX Zone 2       Yes; Optional         • IECEx Zone 2       Yes; Optional         • oULus Class I Zone 2, Division 2       Yes; Optional         Marine approval       -         • Germanischer Lloyd (OL)       Yes         • American Bureau of Shipping (ABS)       Yes         • Bureau Veritas (BV)       Yes         • Det Norske Veritas (DNV)       Yes         • Det Norske Veritas (DNV)       Yes         • Korean Register of Shipping (IRS)       Yes         • Loyds Register of Shipping (IRS)       Yes         • Nippon Kajif Kyokai (Class NK)       Yes         • Nippon Kajif Kyokai (Class NK)       Yes         • Oric; -20 °C as option       on         • min.       0 °C; -20 °C as option         • min.       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-30; Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport; 5 % to 85 % at 25 / 55 °C (no condensation), storage / transport; 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport; 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport; 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport; 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport; 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport; 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport; 5 % to 95 % at 25 / 55 °C (no condensation), storage / tran	Dust protection	Protection against foreign bodies > 1 mm
• IECEx Zone 2     Yes; Optional       • cULus Class I Zone 2, Division 2     Yes; Optional       Marine approval     ************************************	Use in hazardous areas	
• IECEx Zone 2     Yes; Optional       • cULus Class I Zone 2, Division 2     Yes; Optional       Marine approval     ************************************	ATEX Zone 2	Yes; Optional
• cULus Class I Zone 2, Division 2     Yes; Optional       Marine approval     -       • Germanischer Lloyd (GL)     Yes       • American Bureau of Shipping (ABS)     Yes       • Bureau Veritas (BV)     Yes       • Det Norske Veritas (DNV)     Yes       • Det Norske Veritas (DNV)     Yes       • Det Norske Veritas (DNV)     Yes       • Norpon Kajit Kyokai (Class NK)     Yes       • Loyds Register of Shipping (LRS)     Yes       • Nippon Kajit Kyokai (Class NK)     Yes       • Chinese Classification Society (CCS)     Yes       Ambient temperature during operation     0 °C (-20 °C as option       • min.     0 °C (-20 °C as option       • max.     60 °C       Ambient temperature during storage/transportation     -       • min.     -20 °C       • max.     60 °C       Relative humidity     Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 30 °C (no condensation), storage / tran	IECEx Zone 2	
Marine approval         Ves           Germanischer Lloyd (GL)         Yes           American Bureau of Shipping (ABS)         Yes           Bureau Veritas (BV)         Yes           Det Norske Veritas (DNV)         Yes           Det Norske Veritas (DNV)         Yes           Korean Register of Shipping (KRS)         Yes           Uloyds Register of Shipping (LRS)         Yes           Nippon Kalji Kyokai (Class NK)         Yes           Chinese Classification Society (CCS)         Yes           Ambient conditions         0 °C; -20 °C as option           min.         60 °C           Ambient temperature during operation         60 °C           max.         60 °C           Relative humidity         -20 °C           e Relative humidity         30 °C (no condensation), storage / transport: 5 % to 85 % at 35 °C (no condensation), storage / transport: 5 % to 85 % at 35 °C (no condensation), storage / transport: 5 % to 85 % at 36 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)           Vibration         tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s* (1 g)           Shock load during operation acc. to IEC 60068-         -26: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s* (1 g)           Shock load during operation         Tested according to IEC 60068-2-6:: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 2	cULus Class I Zone 2, Division 2	
American Bureau of Shipping (ABS) Yes     Bureau Veritas (BV) Yes     Det Norske Veritas (DNV) Yes     Chara Register of Shipping (KRS) Yes     Loyds Register of Shipping (KRS) Yes     Loyds Register of Shipping (LRS) Yes     Chinese Classification Society (CCS) Yes     Ambient conditions     Ambient conditions     Ambient temperature during operation     or min.         0 °C; -20 °C as option         max.         0 °C     Ambient temperature during storage/transportation         min.         -20 °C         or C         max.         0 °C     Relative humidity     Tested according to IEC 60068-2-78. IEC 60068-2-30: Operation: 5 % to 85 %         at 30 °C (no condensation), storage / transport: 5 % to 85 %         at 30 °C (no condensation), storage / transport: 5 % to 85 %         at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no         condensation)     Vibrations         Vibration resistance during operation acc. to IEC 60068-         2-6         Shock load during operation         Tested according to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8         ar/s' (1 g)     Shock testing         of Shock load during operation         Tested according to IEC 60068-2-27: 150 m/s*, 11 ms         Operating system         Shock load during operation         Yindows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, <u>32-bit / 64-bit</u> Additional info on operating system         Yes; Optional	Marine approval	
• Bureau Veritas (BV)       Yes         • Det Norske Veritas (DNV)       Yes         • Korean Register of Shipping (KRS)       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Nippon Kajit Kyoki (Class NK)       Yes         • Chinese Classification Society (CCS)       Yes         Ambient conditions       60 °C         Ambient temperature during storage/transportation       0 °C ; -20 °C as option 60 °C         • min.       60 °C         • max.       60 °C         Relative humidity       -20 °C condensation), storage / transport.5 % to 85 % at 30 °C (no condensation), storage / transport.5 % to 85 % at 30 °C (no condensation), storage / transport.5 % to 85 % at 30 °C (no condensation), storage / transport.5 % to 95 % at 25 / 55 °C (no condensation), storage / transport.5 % to 95 % at 25 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % at 26 / 55 °C (no condensation), storage / transport.5 % to 95 % a	Germanischer Lloyd (GL)	Yes
• Det Norske Verfas (DNV)Yes• Korean Register of Shipping (KRS)Yes• Lloyds Register of Shipping (LRS)Yes• Nippon Kaiji Kyokai (Class NK)Yes• Ohnese Classification Society (CCS)YesAmbient temperature during operation0 °C; -20 °C as option• min.0 °C; -20 °C as option• max.60 °CAmbient temperature during storage/transportation-• max.60 °CRelative humidity-• Relative humidityTested according to IEC 60068-2-30; Operation: 5 % to 85 % at 30 °C (no condensation) storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)Vibrations-• Vibration resistance during operation acc. to IEC 60068-tested to DIN IEC 60068-2-6; 10 Hz to 58 Hz; 0.075 mm, 58 Hz to 200 Hz; 9.8 m/s² (1 g)Shock keeting-• Shock load during operationTested according to IEC 60068-2-4; 150 m/s², 11 msOperating systemYulnows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bitAdditional info on operating systemoptional; SIMATIC Industrial OSwithout operating systemYes; Optional	American Bureau of Shipping (ABS)	Yes
• Korean Register of Shipping (KRS)       Yes         • Lloyds Register of Shipping (LRS)       Yes         • Nippon Kajij Kyokal (Class NK)       Yes         • Chinese Classification Society (CCS)       Yes         Ambient conditions          Ambient conditions       0 °C; -20 °C as option         • min.       0 °C C         Ambient temperature during storage/transportation       -20 °C         • max.       60 °C         Relative humidity       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 85 % at 25 / 55 °C (no condensation)         Vibrations       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock load during operation       Tested according to IEC 60068-2-27: 150 m/s², 11 ms         Operating system       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       Yes; Optional	Bureau Veritas (BV)	Yes
Lloyds Register of Shipping (LRS)YesNippon Kaiji Kyokai (Class NK)YesChinese Classification Society (CCS)YesAmbient conditionsAmbient temperature during operation0 °C; -20 °C as option• min.0 °C; -20 °C as option• max.60 °CAmbient temperature during storage/transportation-20 °C• min20 °C• max.60 °CRelative humidityTested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)Vibrationstested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)Shock testingTested according to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)Shock load during operationTested according to IEC 60068-2-27: 150 m/s², 11 msOperating systemWindows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bitAdditional info on operating systemoptional: SIMATIC Industrial OSwithout operating systemoptional: SIMATIC Industrial OS	Det Norske Veritas (DNV)	Yes
Lloyds Register of Shipping (LRS)YesNippon Kaiji Kyokai (Class NK)YesChinese Classification Society (CCS)YesAmbient conditionsAmbient temperature during operation0 °C; -20 °C as option• min.0 °C; -20 °C as option• max.60 °CAmbient temperature during storage/transportation-20 °C• min20 °C• max.60 °CRelative humidityTested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)Vibrationstested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)Shock testingTested according to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)Shock load during operationTested according to IEC 60068-2-27: 150 m/s², 11 msOperating systemWindows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bitAdditional info on operating systemoptional: SIMATIC Industrial OSwithout operating systemoptional: SIMATIC Industrial OS	<ul> <li>Korean Register of Shipping (KRS)</li> </ul>	Yes
• Chinese Classification Society (CCS)       Yes         Ambient conditions       Ambient temperature during operation         • min.       0 °C; -20 °C as option         • max.       60 °C         Ambient temperature during storage/transportation       -         • min.       -20 °C         • max.       60 °C         Ambient temperature during storage/transportation       -         • min.       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock load during operation acc. to IEC 60068- 2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock load during operation       Tested according to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock load during operation       Tested according to IEC 60068-2-27: 150 m/s³, 11 ms         Operating system       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS </td <td></td> <td>Yes</td>		Yes
• Chinese Classification Society (CCS)       Yes         Ambient conditions       Ambient temperature during operation         • min.       0 °C; -20 °C as option         • max.       60 °C         Ambient temperature during storage/transportation       -         • min.       -20 °C         • max.       60 °C         Ambient temperature during storage/transportation       -         • min.       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock load during operation acc. to IEC 60068- 2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock load during operation       Tested according to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock load during operation       Tested according to IEC 60068-2-27: 150 m/s³, 11 ms         Operating system       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS </td <td>Nippon Kaiji Kyokai (Class NK)</td> <td>Yes</td>	Nippon Kaiji Kyokai (Class NK)	Yes
Ambient temperature during operation         • min.       0 °C; -20 °C as option         • max.       60 °C         Ambient temperature during storage/transportation       • min.         • max.       60 °C         Relative humidity       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       • Vibration resistance during operation acc. to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       • Shock load during operation         • Shock load during operation       Tested according to IEC 60068-2-27: 150 m/s², 11 ms         Operating systems       Yindows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS         without operating system       Yes; Optional		Yes
• min.       0 °C; -20 °C as option         • max.       60 °C         Ambient temperature during storage/transportation       -20 °C         • min.       -20 °C         • max.       60 °C         Relative humidity       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing		
• min.       0 °C; -20 °C as option         • max.       60 °C         Ambient temperature during storage/transportation       -20 °C         • min.       -20 °C         • max.       60 °C         Relative humidity       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing	Ambient temperature during operation	
• max.       60 °C         Ambient temperature during storage/transportation       -20 °C         • min.       -20 °C         • max.       60 °C         Relative humidity       700 °C         • Vibration resistance during operation acc. to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       rested according to IEC 60068-2-7: 150 m/s², 11 ms         Operating system       7ested according to IEC 60068-2-2: 150 m/s², 11 ms         Operating system       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS         without operating system       Yes; Optional		0 °C; -20 °C as option
Ambient temperature during storage/transportation         • min.       -20 °C         • max.       60 °C         Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       • Vibration resistance during operation acc. to IEC 60068- 2-6         • Vibration goperation       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       • Shock load during operation         • Shock load during operation       Tested according to IEC 60068-2-27: 150 m/s², 11 ms         Operating systems       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS         without operating system       Yes; Optional		
• min.       -20 °C         • max.       60 °C         Relative humidity       • Relative humidity         • Relative humidity       Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       • Vibration resistance during operation acc. to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       • Shock load during operation         • Shock load during operation       Tested according to IEC 60068-2-27: 150 m/s², 11 ms         Operating systems       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       Optional: SIMATIC Industrial OS         without operating system       Yes; Optional		
• max.       60 °C         Relative humidity       Fested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations       Vibration resistance during operation acc. to IEC 60068- 2-6         Shock testing       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       Tested according to IEC 60068-2-27: 150 m/s², 11 ms         Operating systems       Tested according to IEC 60068-2-27: 150 m/s², 11 ms         pre-installed operating system       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS         without operating system       Yes; Optional		-20 °C
Relative humidity         • Relative humidity         Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)         Vibrations         • Vibration resistance during operation acc. to IEC 60068- 2-6         Shock testing         • Shock load during operation         Tested according to IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing         • Shock load during operation         Tested according to IEC 60068-2-27: 150 m/s², 11 ms         Operating systems         pre-installed operating system         Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS         without operating system       Yes; Optional		
Relative humidity     Tested according to IEC 60068-2-78, IEC 60068-2-30: Operation: 5 % to 85 % at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no condensation)     Vibrations     Vibration resistance during operation acc. to IEC 60068-     2-6     tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8     m/s² (1 g)     Shock testing         • Shock load during operation         Tested according to IEC 60068-2-27: 150 m/s², 11 ms     Operating systems     pre-installed operating system         Viindows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system         Yes; Optional		
• Vibration resistance during operation acc. to IEC 60068-       tested to DIN IEC 60068-2-6: 10 Hz to 58 Hz: 0.075 mm, 58 Hz to 200 Hz: 9.8 m/s² (1 g)         Shock testing       • Shock load during operation       Tested according to IEC 60068-2-27: 150 m/s², 11 ms         Operating systems       pre-installed operating system       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS         without operating system       Yes; Optional		at 30 °C (no condensation), storage / transport: 5 % to 95 % at 25 / 55 °C (no
2-6     m/s² (1 g)       Shock testing     • Shock load during operation       • Shock load during operation     Tested according to IEC 60068-2-27: 150 m/s², 11 ms       Operating systems     Pre-installed operating system       pre-installed operating system     Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit       Additional info on operating system     optional: SIMATIC Industrial OS       without operating system     Yes; Optional	Vibrations	
Shock load during operation     Tested according to IEC 60068-2-27: 150 m/s <sup>2</sup> , 11 ms     Operating systems     pre-installed operating system     Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit     Additional info on operating system     optional: SIMATIC Industrial OS     without operating system     Yes; Optional		
Operating systems           pre-installed operating system         Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit           Additional info on operating system         optional: SIMATIC Industrial OS           without operating system         Yes; Optional	5	
pre-installed operating system       Windows 7 Ultimate 32-bit / 64-bit, MUI; Windows Embedded Standard 7 E/P, 32-bit / 64-bit         Additional info on operating system       optional: SIMATIC Industrial OS         without operating system       Yes; Optional	Shock load during operation	Tested according to IEC 60068-2-27: 150 m/s <sup>2</sup> , 11 ms
Additional info on operating system     optional: SIMATIC Industrial OS       without operating system     Yes; Optional	Operating systems	
without operating system Yes; Optional	pre-installed operating system	
	Additional info on operating system	optional: SIMATIC Industrial OS
pre-installed operating system	without operating system	Yes; Optional
	pre-installed operating system	

Windows 7	Yes; Ultimate 32 bit or 64 bit
• Windows 10	Yes; Windows 10 IoT Enterprise 2016 LTSB, 64bit, MUI
<ul> <li>Windows 10 Enterprise</li> </ul>	Yes; Windows 10 IoT Enterprise 2019 LTSC, 64 bit, MUI
Software	
SIMATIC Software	Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle
Dimensions	
Width	191 mm
Height	100 mm
Depth	60 mm

last modified:

6/25/2021 🖸