SIEMENS

Data sheet 6AV7241-7BC06-0FA0

SIMATIC IPC 477E 15" touch (1280 x 800); with front USB; 4 USB (back), Ethernet (10/100/1000); XEON E3-1505L; 3x Gbit Ethernet (IE/PN); 16 GB; without RS 232/RS485; without PCIe; Windows 10 Enterprise 2019 LTSC (64-bit), MUI (en,de,fr,it,es) for Xeon; Without replaceable mass storage; 240 GB solid-state drive SATA Without SIMATIC software; 24 V DC industrial power supply

Design of display	Display	
# Horizontal image resolution	Design of display	15" TFT touch
Nortzontal image resolution Nortzontal image resolut	Screen diagonal	15.6 in
• Vertical image resolution Backlighting • MTBF backlighting (at 25 °C) Control elaments Input device • Mouse, at front Keyboard fonts • Front USB 2.0 (500mA) Keyboard fonts • Function keys • alphanumeric keyboard Touch operation • Design as touch screen Panel PC, built-in unit central design Mounting Panel PC, built-in unit central design Mounting in portrait format possible Supply voltage Type of supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency • Rated value 50 Hz • Rated value 50 Hz • Rated value 60 Hz Mains buffering • Mains/voltage failure stored energy time Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core IS-8102E (2C/4T, 1.9 GHz, 2 MB Cache);	Resolution (pixels)	
## ATBF backlighting (at 25 °C)	 Horizontal image resolution 	1 280 pixel
MTBF backlighting (at 25 °C)	 Vertical image resolution 	800 pixel
Input device	Backlighting	
Input device • Mouse, at front Keyboard fonts • Function keys • alphanumeric keyboard No Touch operation • Design st touch screen Mounting For horizontal and vertical mounting Pesign Panel PC, built-in unit central design Yes distributed design No Mounting in portrait format possible Yes Supply voltage Type of supply voltage Type of supply voltage Type of supply voltage Type of supply voltage For horizontal and vertical mounting Panel PC, built-in unit central design Yes Supply voltage Type of supply voltage Type of supply voltage Type of supply voltage Type of supply voltage For Acted value 60 Hz Yes Mains buffering • Mains-voltage failure stored energy time Power loss In full configuration Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L V 6(/ART, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel HD graphics controller Drives Hard disk 2.5° SATA ≥ 320 GB Yes; 128 / 240 / 480 GB	 MTBF backlighting (at 25 °C) 	50 000 h
 Mouse, at front Keyboard fonts Function keys alphanumeric keyboard No Design as touch screen Yes; analog, resistive Installation type/mounting For horizontal and vertical mounting Design Panel PC, built-in unit central design Yes distributed design No Mounting in portrait format possible Yes Supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency Rated value 50 Hz Rated value 60 Hz Yes Mains/voltage failure stored energy time Power loss In full configuration 24 V DC: max. 65 W, PCIe APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache): Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache): Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, IAMT); Xeon E3-1505L v6 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, IAMT) Chipset Intel C236 / Intel H110 Graphic Graphics controller Intel HD graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB Yes; 228 / 240 / 480 GB 	Control elements	
Function keys Installation type/mounting Mounting Design as touch screen Yes; analog, resistive Installation type/mounting Mounting Panel PC, built-in unit central design Yes distributed design No Mounting in portral format possible Supply voltage Type of supply voltage Line frequency Rated value 60 Hz Rated value 60 Hz Wains buffering Mains buffering Mains further as the screen of the processor type Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache, iAMT); Xeon E3-150SL V5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Craphics Graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB Yes; 128 / 240 / 480 GB Yes; 128 / 240 / 480 GB	Input device	
• Function keys • alphanumeric keyboard No Touch operation • Design as touch screen Mounting Panel PC, built-in unit central design Mounting in portrait format possible Supply voltage Type of supply voltage Line frequency • Rated value 50 Hz • Rated value 60 Hz Mains buffering • Mains/voltage failure stored energy time Power loss In full configuration Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache), Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache), Line III (2G/4T, 1.9 (2.7) (3Hz, 6 MB Cache, iAMT)) Chipset Graphics controller Flared disk Line IHD graphics controller Proves Graphics controller Intel HD graphics controller Polives Hard disk 2.5° SATA ≥ 320 GB Yes; 128 / 240 / 480 GB	Mouse, at front	Front USB 2.0 (500mA)
• alphanumeric keyboard Touch operation • Design as touch screen Mounting Design Panel PC, built-in unit central design distributed design Mounting in portrait format possible Supply voltage Type of supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency • Rated value 50 Hz • Rated value 50 Hz • Rated value 60 HZ Mains/voltage failure stored energy time Power loss In full configuration Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xone IS-3150SL v9 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphics controller Drives Hard disk 2.5° SATA ≥ 320 GB Yes; 128 / 240 / 480 GB	Keyboard fonts	
Touch operation Design as touch screen Por horizontal and vertical mounting Mounting Panel PC, built-in unit Central design Yes distributed design No Mounting in portrait format possible Supply voltage Type of supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency Rated value 50 Hz Rated value 50 Hz Rated value 60 Hz Mains buffering Mains/voltage failure stored energy time Power loss In full configuration 24 V DC: max. 65 W, PCIe APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 Gz.) GHz, 8 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphics controller Drives Hard disk 2.5° SATA ≥ 320 GB Yes; 128 / 240 / 480 GB	Function keys	No
Posign as touch screen Yes; analog, resistive Installation type/mounting For horizontal and vertical mounting	alphanumeric keyboard	No
Mounting Design Panel PC, built-in unit Central design Gistributed design Mounting in portrait format possible Supply voltage Type of supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency • Rated value 50 Hz • Rated value 60 Hz Mains buffering • Mains/voltage failure stored energy time Power loss In full configuration Processor Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Graphic Graphic Graphic Hard disk 2.5" SATA ≥ 320 GB Yes; 128 / 240 / 480 GB	Touch operation	
Design	Design as touch screen	Yes; analog, resistive
Design Panel PC, built-in unit central design Yes distributed design No Mounting in portrait format possible Yes Supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency • Rated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering • Mains/voltage failure stored energy time 20 ms Power loss In full configuration 24 V DC: max. 65 W, PCle APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, IAMT), Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, IAMT) Chipset Intel HD graphics controller Graphic Graphic Graphic SSD Yes; 128 / 240 / 480 GB	Installation type/mounting	
central design distributed design No Mounting in portrait format possible Yes Supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency • Rated value 50 Hz • Rated value 60 Hz Mains buffering • Mains/voltage failure stored energy time Power loss In full configuration Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphic Graphic Drives Hard disk 2.5" SATA ≥ 320 GB Yes; 128 / 240 / 480 GB	Mounting	For horizontal and vertical mounting
distributed design No Mounting in portrait format possible Yes Supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency Pated value 50 Hz Yes • Rated value 60 Hz Yes Mains buffering Yes • Mains/voltage failure stored energy time 20 ms Power loss In full configuration 24 V DC: max. 65 W, PCIe APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphics controller Intel HD graphics controller Drives Intel HD graphics controller Brital disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Design	Panel PC, built-in unit
Mounting in portrait format possible Supply voltage Type of supply voltage 100/240 V AC (autorange) 50/60 Hz; optional 24 V DC Line frequency Rated value 50 Hz Rated value 60 Hz Yes Mains buffering Mains/voltage failure stored energy time Power loss In full configuration Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphic Prives Hard disk 2.5" SATA ≥ 320 GB Yes; 128 / 240 / 480 GB	central design	Yes
Type of supply voltage Type of supply voltage Line frequency Rated value 50 Hz Rated value 60 Hz Mains buffering Mains/voltage failure stored energy time Power loss In full configuration Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, IAMT); Xeon E3-150SL v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, IAMT) Chipset Intel C236 / Intel H110 Graphic Graphic Proves Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	distributed design	No
Type of supply voltage Line frequency Rated value 50 Hz Rated value 60 Hz Rated value 60 Hz Mains buffering Mains/voltage failure stored energy time Power loss In full configuration Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Graphic Graphic Graphic SSD Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Mounting in portrait format possible	Yes
Line frequency Rated value 50 Hz Rated value 60 Hz Yes Mains buffering Mains/voltage failure stored energy time Power loss In full configuration 24 V DC: max. 65 W, PCIe APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphic Graphics controller Intel HD graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Supply voltage	
• Rated value 50 Hz • Rated value 60 Hz Mains buffering • Mains/voltage failure stored energy time Power loss In full configuration 24 V DC: max. 65 W, PCle APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphic Graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Type of supply voltage	100/240 V AC (autorange) 50/60 Hz; optional 24 V DC
• Rated value 60 Hz Mains buffering • Mains/voltage failure stored energy time 20 ms Power loss In full configuration 24 V DC: max. 65 W, PCle APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Graphic Graphic Graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Line frequency	
Mains buffering Mains/voltage failure stored energy time 20 ms Power loss In full configuration Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphic Graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Rated value 50 Hz	Yes
 Mains/voltage failure stored energy time Power loss In full configuration 24 V DC: max. 65 W, PCIe APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphics controller Intel HD graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB 	Rated value 60 Hz	Yes
Power loss In full configuration 24 V DC: max. 65 W, PCle APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Intel HD graphics controller Drives Intel HD graphics controller Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Mains buffering	
In full configuration 24 V DC: max. 65 W, PCle APCB additionally 5 W Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Intel HD graphics controller Drives 4.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Mains/voltage failure stored energy time	20 ms
Processor Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Intel HD graphics controller Drives Hard disk SSD Yes; 128 / 240 / 480 GB		
Processor type Celeron G3902 (2C/2T, 1.6 GHz, 2 MB Cache); Core i3-6102E (2C/4T, 1.9 GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Intel HD graphics controller Drives Hard disk SSD Yes; 128 / 240 / 480 GB	In full configuration	24 V DC: max. 65 W, PCIe APCB additionally 5 W
GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache, iAMT); Xeon E3-1505L v5 (4C/8T, 2.0 (2.8) GHz, 8 MB Cache, iAMT) Chipset Intel C236 / Intel H110 Graphic Graphic Intel HD graphics controller Drives Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Processor	·
Graphic Graphics controller Intel HD graphics controller Drives 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Processor type	GHz, 3 MB Cache); Core i5-6442EQ (4C/4T, 1.9 (2.7) GHz, 6 MB Cache,
Graphics controller Intel HD graphics controller Drives 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Chipset	Intel C236 / Intel H110
Drives Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	Graphic	
Hard disk 2.5" SATA ≥ 320 GB SSD Yes; 128 / 240 / 480 GB	· .	Intel HD graphics controller
SSD Yes; 128 / 240 / 480 GB	Drives	
	Hard disk	2.5" SATA ≥ 320 GB
Memory	SSD	Yes; 128 / 240 / 480 GB
	Memory	
Type of memory DDR4-2400 SO-DIMM	Type of memory	DDR4-2400 SO-DIMM
Main memory 4 / 8 / 16 GB, ECC optional	Main memory	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	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	Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time; optional
Hardware configuration		
Slots	Slots	

• free slots	1x PCIe (slot with card retainer), 1x slot for CFAST card
Number of PCI slots	1; Optional
Number of compact flash slots	1; CFast
Interfaces	0.0 50 + (DM5)
Number of industrial Ethernet interfaces	3; 3x Ethernet (RJ45)
USB port	4x USB 3.0 USB / USB
Connection for keyboard/mouse serial interface	Without / 2x COM (RS 232 / 422 / 485), selectable in the BIOS
Video interfaces	Without 7 ZX COW (NO 232 7 422 7 400), Scientable III the biod
Graphics interface	2x DisplayPort
Industrial Ethernet	Z. D. Spier, 1
Industrial Ethernet interface	3x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
Interrupts/diagnostics/status information	
Bus diagnostics	Yes
Integrated Functions	
Monitoring functions	
Temperature monitoring	Yes
Watchdog	Yes
● Fan	No
Monitoring function via network	Optional
EMC	
Interference immunity against discharge of static electricity	
 Interference immunity against discharge of static electricity 	±6 kV contact discharge acc. to IEC 61000-4-2; ±8 kV air discharge acc. to IEC 61000-4-2
Interference immunity against high-frequency electromagnetic fields	
Interference immunity against high frequency radiation	10 V/m, 80 2 000 MHz, 80 % AM acc. to IEC 61000-4-3; 3 V/m, 2 2.7
3 1411 1	GHz; 10 V, 10 kHz 80 MHz acc. to IEC 61000-4-6
Interference immunity to cable-borne interference	
Interference immunity on supply cables	±2 kV acc. to IEC 61000-4-4, burst; ±1 kV acc. to IEC 61000-4-5, surge symmetric; ±2 kV acc. to IEC 61000-4-5, surge asymmetric
 Interference immunity on signal cables >30m 	±2 kV acc. to IEC 61000-4-5, surge, length > 30 m
 Interference immunity on signal cables < 30m 	±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4;
laka afanya a lingungik, ang laku alkana ang ang	burst; length > 3 m
Interference immunity against voltage surge	12 M/ con to IEC 61000 4 E gurgo commetrio
asymmetric interferencesymmetric interference	±2 kV acc. to IEC 61000-4-5, surge asymmetric ±1 kV acc. to IEC 61000-4-5, surge symmetric
Interference immunity to magnetic fields	11 KV acc. to IEC 01000-4-5, surge symmetric
Interference immunity to magnetic fields at 50 Hz	100 A/m; to IEC 61000-4-8
Emission of conducted and non-conducted interference	100 70111, 10 120 0 1000 4 0
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
CSA approval	Yes
UL approval	Yes
• UL 508	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
FCC	Yes
EMC	CE, EN 61000-6-4; CISPR 22:2004 Class A; FCC Class A
Use in hazardous areas	Van Ontingal and with Multi-
• ATEX Zone 2	Yes; Optional, only with Multitouch
IECEx Zone 2 Call us Class L Zone 2. Division 2.	Yes; Optional, only with Multitouch
cULus Class I Zone 2, Division 2 Marine approval	Yes; Optional, only with Multitouch
Germanischer Lloyd (GL)	Yes
- Communication City (CIL)	. 00

 American Bureau of Shipping (ABS) 	Yes
Bureau Veritas (BV)	Yes
 Det Norske Veritas (DNV) 	Yes
 Korean Register of Shipping (KRS) 	Yes
 Lloyds Register of Shipping (LRS) 	Yes
 Nippon Kaiji Kyokai (Class NK) 	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °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 °C (no condensation)
Vibrations	
 Vibration resistance during operation acc. to IEC 60068- 2-6 	IEC 60068-2-6; 5 Hz to 9 Hz: 3.5 mm; 9 Hz to 500 Hz: 9.8 m/s² (with SSD or CFast); 10 Hz to 58 Hz: 0.0375 mm; 58 Hz to 200 Hz: 4.9 m/s² (hard disk)
Shock testing	
Shock load during operation	IEC 60068-2-27; 150 m/s², 11 ms (without hard disk); 50 m/s², 30 ms (with hard disk)
Operating systems	
pre-installed operating system	Windows 7 Ultimate (Multi-Language) 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit, Windows 10
without operating system	Yes; Optional
pre-installed operating system	
• Windows 7	Yes; Ultimate 64 bit
 Windows 10 Enterprise 	Yes; Windows 10 Enterprise 2016 LTSB, 64 bit, MUI
Software	
SIMATIC Software	Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle
Dimensions	
Width of the housing front	415 mm
Height of housing front	310 mm
Mounting cutout, width	396 mm
Mounting cutout, height	291 mm
Overall depth	76 mm
additional mounting depth (optical drive)	26 mm
Weights	
Weight, approx.	6.8 kg
→ : 11	

last modified: 11/17/2022 🖸