## **SIEMENS**

## **Data sheet**

6AV7241-3BA04-0FA0

SIMATIC IPC 477E 15" touch (1280 x 800); with front USB; 4 USB (back), Ethernet (10/100/1000); Core i3-6102E; 3x Gbit Ethernet (IE/PN); 4 GB without RS 232/RS485; without PCIe; Windows7 Ultimate SP1, 64-bit, MUI (de, en, es, fr, it); Without replaceable mass storage; 240 GB solid-state drive SATA Without SIMATIC software; 24 V DC industrial power supply

General information	
Product type designation	IPC477E
Display	
Design of display	15" TFT touch
Screen diagonal	15.6 in
Resolution (pixels)	
<ul> <li>Horizontal image resolution</li> </ul>	1 280 pixel
Vertical image resolution	800 pixel
Backlighting	
MTBF backlighting (at 25 °C)	50 000 h
Control elements	
Input device	
Mouse, at front	Front USB 2.0 (500mA)
Keyboard fonts	
<ul> <li>Function keys</li> </ul>	No
alphanumeric keyboard	No
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
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	
<ul> <li>Rated value 50 Hz</li> </ul>	Yes
Rated value 60 Hz	Yes
Mains buffering	
<ul> <li>Mains/voltage failure stored energy time</li> </ul>	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	
Hard disk	2.5" SATA ≥ 320 GB
SSD	Yes; 128 / 240 / 480 GB
Memory	
Type of memory	DDR4-2400 SO-DIMM
Main memory	4 / 8 / 16 GB, ECC optional
Capacity of main memory, max.	16 Gbyte
Data areas and their retentivity	
Retentive data area (incl. timers, counters, flags), max.	512 kbyte; 128 KB can be stored in the buffer time; optional

lardware configuration	
Slots	Au DOIs (slat with soul rate in -) Au slat for OFACT
• 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
iterfaces  Number of industrial Ethernet interfaces	3; 3x Ethernet (RJ45)
USB port	4x USB 3.0
Connection for keyboard/mouse	USB / USB
serial interface	Without / 2x COM (RS 232 / 422 / 485), selectable in the BIOS
Video interfaces	William P. Com (No 2027 1227 100), colocidado in tilo 2100
Graphics interface	2x DisplayPort
Industrial Ethernet	
Industrial Ethernet interface	3x Ethernet (RJ45)
— 100 Mbps	Yes
— 1000 Mbps	Yes
nterrupts/diagnostics/status information	
Bus diagnostics	Yes
ntegrated Functions	
Monitoring functions	
Temperature monitoring	Yes
Watchdog	Yes
• Fan	No
Monitoring function via network	Optional
:MC	
Interference immunity against discharge of static electricity	
<ul> <li>Interference immunity against discharge of static electricity</li> </ul>	$\pm 6$ 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 field	ds
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 GHz; 10 V, 10 kHz 80 MHz 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
a Interference immunity an eignel cables > 20m	
Interference immunity on signal cables >30m     Interference immunity on signal cables < 30m	±2 kV acc. to IEC 61000-4-5, surge, length > 30 m ±1 kV acc. to IEC 61000-4-4; burst; length < 3 m; ±2 kV acc. to IEC 61000-4-4
<ul> <li>Interference immunity on signal cables &lt; 30m</li> </ul>	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
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	
ATEX Zone 2	Yes; Optional, only with Multitouch
	Yes; Optional, only with Multitouch

Germanischer Lloyd (GL)     American Bureau of Shipping (ABS)     Bureau Verlas (BV)     OE Norske Verlas (DNV)     Ves     OE Norske Verlas (DNV)     OE Norske (DNV)     OE No	• cULus Class I Zone 2, Division 2	Yes; Optional, only with Multitouch
Germanischer Lloyd (GL) American Bureau of Shipping (ABS) American Bureau of Shipping (ABS) Bureau Vertias (BV) Det Norske Vertias (DNV) Korean Register of Shipping (KRS) Nippon Kajii Kyokal (Class NK) Pes Nippon Kajii Kyokal (Class NK) Ambient temperature during operation min. max.  Ambient temperature during operation min. max.  As 5 ° C  Ambient temperature during storage/bransportation min. max.  As 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  Shock testing Shock kesting Shock lead during operation  EEC 60068-2-27; 150 m/s², 11 ms (without hard disk); 50 m/s², 30 ms (with hard disk)  Pre-installed operating system  Pre-in	·	
Rureau Veritas (BV)     Bureau Veritas (BV)     Roses Verentas (DNV)     Korean Register of Shipping (KRS)     Licyds Register of Shipping (KRS)     Rose Register of Shipping (LRS)     Rose Register of Shi		Yes
Det Norske Verlas (DNV) Korean Register of Shipping (KRS) Lokyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Pes  Ambient temperature during operation Inin. In		Yes
Korean Register of Shipping (KRS) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK)  Ambient conditions  Ambient temperature during operation  min. min. max. 45 °C  Ambient temperature during storage/transportation  min. max. 66 °C  Relative humidity Relative humidity  Relative humidity  Relative humidity  Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80% at 25 °C (no condensation)  Vibrations Vibrations Vibration resistance during operation acc. to 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 (with SSD or CFast); 10 Hz to 58 Hz: 0.0375 mm; 58 Hz to 200 Hz: 4.9 m/s² (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  Windows 7 Yes; Ultimate 64 bit Yes; Windows 10 Enterprise  Software  SIMATIC Software  Opionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  Dimensions  Width of the housing front Height of housing front Mounting cutout, width 396 mm Mounting cutout, width 396 mm Mounting cutout, width 306 mm  Worghts	Bureau Veritas (BV)	Yes
Lloyds Register of Shipping (LRS) Anipent Carilli Kyokai (Class NK) Ambient conditions  Ambient temperature during operation  min. max. 45 °C  Ambient temperature during storage/transportation  min. max. 60 °C  Relative humidity Relative humidit	Det Norske Veritas (DNV)	Yes
Nippon Kalji Kyokai (Class NK)  Ambient temperature during operation  • min. • max. 45 °C  Ambient temperature during storage/transportation  • min. • max.  Ambient temperature during storage/transportation  • min. • max. 60 °C  Relative humidity • Relative humidity • Relative humidity  • Relative numidity  • Vibration resistance during operation acc. to IEC 60068- 2-6  Shock leasing • Shock load during operation  • Shock load during operation    EC 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 EFP 32-bit (64-bit, Windows 10 Enterprise 2016 LTSB, 64 bit, MUl    Software	Korean Register of Shipping (KRS)	Yes
Ambient conditions  Ambient temperature during operation  • min. • max. 45 °C  Ambient temperature during storage/transportation  • min. • max. 45 °C  Ambient temperature during storage/transportation  • min. • ax. 60 °C  Relative humidity  • Relative humidity  • Relative humidity  • Relative humidity  • Relative nondensation)  Vibrations  • Vibration resistance during operation acc. to 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 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  without operating system  Per 32-bit / 64-bit, Windows 10  without operating system  • Windows 7  • Windows 10 Enterprise  • Windows 7  • Windows 10 Enterprise  SIMATIC Software  Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  Dimensions  Width of the housing front  Height of housing front  Height of housing front  Height of housing front  415 mm  Mounting cutout, width  396 mm  Mounting cutout, width  40 difficial mounting depth (optical drive)  Wolghts	Lloyds Register of Shipping (LRS)	Yes
Ambient temperature during operation  • min. • max. 45 °C  Ambient temperature during storage/transportation  • min. • max. • max. • 60 °C  Relative humidity • Software  • Vibration resistance during operation acc. to 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 load during operation  • EC 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  • Windows 10 Enterprise  SMATIC Software  SIMATIC Software  Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  396 mm  Mounting cutout, width  4 additional mounting depth (optical drive)  Weights  Weights	Nippon Kaiji Kyokai (Class NK)	Yes
min. min. min. min. max. max. max. max. max. max. max. max	Ambient conditions	
max. 45 °C  Ambient temperature during storage/transportation	Ambient temperature during operation	
Ambient temperature during storage/transportation  • min.  • max.  60 °C  Relative humidity  • 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; 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 lead 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  without operating system  • Windows 7 Ultimate (Multi-Language) 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit, Windows 10  without operating system  • Windows 7 Yes; Ultimate 64 bit  • Windows 10 Enterprise  SIMATIC 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  Mounting cutout, width  396 mm  Mounting cutout, width  • additional mounting depth (optical drive)  Wolghts	• min.	0 °C
<ul> <li>• min.</li> <li>• max.</li> <li>• max.</li> <li>60 °C</li> <li>Relative humidity</li> <li>• Relative humidity</li> <li>• Relative humidity</li> <li>• Relative humidity</li> <li>• Tested according to IEC 60068-2-78, IEC 60068-2-30: 5% to 80% at 25 °C (no condensation)</li> <li>Vibrations</li> <li>• Vibration resistance during operation acc. to IEC 60068- 2-6</li> <li>• Shock losting</li> <li>• Shock load during operation</li> <li>• Shock load during operation</li> <li>IEC 60068-2-27; 150 m/s², 11 ms (without hard disk); 50 m/s², 30 ms (with hard disk)</li> <li>Operating systems</li> <li>pre-installed operating system</li> <li>• Windows 7 Ultimate (Multi-Language) 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit, Windows 10</li> <li>without operating system</li> <li>• Windows 7</li> <li>• Windows 7</li> <li>• Windows 10 Enterprise</li> <li>Software</li> <li>Software</li> <li>Software</li> <li>Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle</li> <li>Dimensions</li> <li>Width of the housing front</li> <li>Height of housing front</li> <li>Mounting cutout, width</li> <li>98 mm</li> <li>Mounting cutout, leight</li> <li>Overall depth</li> <li>• additional mounting depth (optical drive)</li> <li>Weights</li> </ul>	• max.	45 °C
Max.   60 °C	Ambient temperature during storage/transportation	
Relative humidity  Relative humidity  Relative humidity  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 2-6  Shock testing  Shock load during operation  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)  Pre-installed operating 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 Ves; Optional  Pre-installed operating system  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  Height of housing front  Height of housing front  Mounting cutout, width  396 mm  Mounting cutout, height  Overall depth  additional mounting depth (optical drive)  Wolghts	• min.	-20 °C
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; 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  Pre-installed operating system  Yes; Optional  pre-installed operating system  Ves; Ultimate (Multi-Language) 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit, Windows 10  Yes; Ultimate 64 bit 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  Height of housing front  Mounting cutout, width  Mounting cutout, width  Overall depth  Additional mounting depth (optical drive)  Weights	• max.	60 °C
Vibrations  Vibration resistance during operation acc. to IEC 60068- 2-6  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  Pre-installed operating system  Windows 7 Ultimate (Multi-Language) 64-bit, Windows Embedded Standard 7 E/P 32-bit / 64-bit, Windows 10  Yes; Optional  pre-installed operating system  Windows 7 Yes; Ultimate 64 bit Yes; Windows 10 Enterprise  SIMATIC Software  SIMATIC Software  Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, width  Mounting cutout, width  Overall depth  Additional mounting depth (optical drive)  Weights	Relative humidity	
Vibration resistance during operation acc. to IEC 60068- 2-6  Shock lesting  Shock load during operation  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 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  Yes; Optional  Pre-installed operating system  Vindows 7  Vindows 10  Ves; Optional  Yes; Ultimate 64 bit 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  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth  additional mounting depth (optical drive)  Weights	Relative humidity	
2-6 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  Windows 7 Yes; Optional  pre-installed operating system  Windows 7 Yes; Ultimate 64 bit  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  Height of housing front  Mounting cutout, width 396 mm  Mounting cutout, height Overall depth additional mounting depth (optical drive)  Weights	Vibrations	
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  Pre-installed operating system  Windows 7  Yes; Optional  Pres; 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  Height of housing front  Mounting cutout, width  Mounting cutout, width  Mounting cutout, height  Overall depth  additional mounting depth (optical drive)  Weights		
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  Pre-installed operating system  Windows 7  Windows 10 Enterprise  Yes; Ultimate 64 bit  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  Height of housing front  Mounting cutout, width  Mounting cutout, width  Mounting cutout, height  Overall depth  Additional mounting depth (optical drive)  Weights	Shock testing	
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  Pre-installed operating system  Windows 7  Windows 7  Windows 10 Enterprise  SIMATIC Software  SIMATIC Software  Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  Dimensions  Width of the housing front  Height of housing front  Height of housing front  Mounting cutout, width  Mounting cutout, width  Overall depth  Additional mounting depth (optical drive)  Weights	Shock load during operation	
without operating system  pre-installed operating system  • Windows 7  • Windows 10 Enterprise  SIMATIC Software  Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  Dimensions  Width of the housing front Height of housing front Height of housing cutout, width Mounting cutout, width Overall depth • additional mounting depth (optical drive)  Yes; Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  291 mm  Yes; Optionally with me 10 Enterprise 2016 LTSB, 64 bit, MUI  Yes; Windows 10 Enterprise 2016 LTSB, 64 bit, MUI  Software Controller CPU 1500S software bundle  291 mm  415 mm  415 mm  415 mm  416 mm  400	Operating systems	
pre-installed operating system	pre-installed operating system	
Windows 7 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 Height of housing front Mounting cutout, width 396 mm Mounting cutout, height Overall depth Additional mounting depth (optical drive)  Weights	without operating system	Yes; Optional
● Windows 10 Enterprise  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)  Weights	pre-installed operating system	
Software  SIMATIC Software  Optionally with pre-installed SIMATIC WinCC RT Advanced / Software Controller CPU 1500S software bundle  Dimensions  Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth  • additional mounting depth (optical drive)  Weights	<ul><li>Windows 7</li></ul>	Yes; Ultimate 64 bit
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)  Weights	Windows 10 Enterprise	Yes; Windows 10 Enterprise 2016 LTSB, 64 bit, MUI
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	Software	
Width of the housing front  Height of housing front  Mounting cutout, width  Mounting cutout, height  Overall depth  • additional mounting depth (optical drive)  415 mm  310 mm  396 mm  291 mm  76 mm  26 mm  Weights	SIMATIC Software	
Height of housing front  Mounting cutout, width  Mounting cutout, height  291 mm  Overall depth  • additional mounting depth (optical drive)  Weights	Dimensions	
Mounting cutout, width  Mounting cutout, height  291 mm  Overall depth  additional mounting depth (optical drive)  Weights  396 mm  291 mm  76 mm  26 mm	Width of the housing front	415 mm
Mounting cutout, height  Overall depth  additional mounting depth (optical drive)  Weights  291 mm  76 mm  26 mm	Height of housing front	310 mm
Overall depth 76 mm  • additional mounting depth (optical drive) 26 mm  Weights	Mounting cutout, width	396 mm
• additional mounting depth (optical drive)  Weights  26 mm	Mounting cutout, height	291 mm
Weights	Overall depth	76 mm
	<ul> <li>additional mounting depth (optical drive)</li> </ul>	26 mm
Weight, approx. 6.8 kg	Weights	
<u> </u>	Weight, approx.	6.8 kg

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