## **SIEMENS**

## **Data sheet**



SIMATIC HMI TP700 Comfort, Comfort Panel, touch operation, 7" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 12 MB configuration memory, Windows CE 6.0, configurable from WinCC Comfort V11

General information	General information	
Product type designation	TP700 Comfort	
Display		
Design of display	TFT	
Screen diagonal	7 in	
Display width	152.4 mm	
Display height	91.4 mm	
Number of colors	16 777 216	
Resolution (pixels)		
<ul> <li>Horizontal image resolution</li> </ul>	800 pixel	
Vertical image resolution	480 pixel	
Backlighting		
<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	80 000 h	
<ul> <li>Backlight dimmable</li> </ul>	Yes; 0-100 %	
Control elements		
Keyboard fonts		
<ul> <li>Function keys</li> </ul>		
<ul> <li>Number of function keys</li> </ul>	0	
<ul> <li>Number of function keys with LEDs</li> </ul>	0	
<ul> <li>Keys with LED</li> </ul>	No	
<ul> <li>System keys</li> </ul>	No	
<ul> <li>Numeric keyboard</li> </ul>	Yes; Onscreen keyboard	
alphanumeric keyboard	Yes; Onscreen keyboard	
Touch operation		
Design as touch screen	Yes; Analog-resistive	
Expansions for operator control of the process		
<ul> <li>DP direct LEDs (LEDs as S7 output I/O)</li> </ul>		
— F1Fx	0	
<ul> <li>Direct keys (keys as S7 input I/O)</li> </ul>		
— F1Fх	0	
Direct keys (touch buttons as S7 input I/O)	32	
Installation type/mounting		
Mounting position	vertical	
Wall mounting/direct mounting	No	
Mounting in portrait format possible	Yes	
Mounting in landscape format possible	Yes	
maximum permissible angle of inclination without external ventilation	35°	
Supply voltage		

Type of supply vortage	Type of augusty voltage	DC
Deminsible range, Lower limit (DC)	Type of supply voltage	DC
permissible range, upper limit (DC)   28.8 V	,	
Input current		
Ournet consumption (rated value)   0.5 A		28.8 V
Starting current innush Pt		
Power   Processor   Processo		
Active power input, typ. 12 W Processor type  X86  Memory Fish Fish Yes RAM Yes Memory available for user data Type of output Info LED No Power LED No Acoustics Buzzer Speaker Yes  Buzzer Speaker Yes  Software clock (real-lime) Software clock (real-lime) Software clock Yes retentive Software clock Yes Software Software clock Yes Software Softw		0.5 A <sup>2</sup> ·s
Processor type	Power	
Processor type   X86	Active power input, typ.	12 W
Fissh	Processor	
Flash	Processor type	X86
RAM	Memory	
Memory available for user data   12 Mbyte	Flash	Yes
Type of output	RAM	Yes
Type of output	Memory available for user data	12 Mbyte
Info LED		
Power LED		No
Error LED		
Acoustics  Buzzer Speaker Speaker Pes  Timo of day  Clock  Hardware clock (real-time) Software clock Petentive Software clock Pes Software clock Petentive Software clock Pes Software clock Pes Software clock Pes Software clock Pes Interfaces Pumber of industrial Ethernet interfaces Number of industrial Ethernet interfaces Number of industrial Ethernet interfaces Number of RS 422 interfaces Number of RS 422 interfaces Number of RS 422 interfaces USB Manile Number of RS 222 interfaces USB Minile Number of QS 202 interfaces USB Minile 1; 5-pole Number of 20 mA interfaces (TTY) Number of parallel interfaces USB Minile 1; 5-pole Number of 20 mA interfaces 0 Number of OB card slots 2 Number of Da card slots 2 Number of Da card slots 2 Number of SD card slots 2 Number of ports of the integrated switch PROFINET PROFINET Yes Supports protocol for PROFINET IO Yes Upports protocol for PROFINET IO Yes EtherNet/IP Yes Protocols (Ethernet) - TCP/IP - Yes - SNMP - ODP - Yes - LLDP - Wes - HTTP - Yes -		
• Buzzer   No   Speaker   Yes		
Speaker   Yes		No
Time of day		
Clock		
■ Hardware clock (real-time)         ■ Software clock         ■ retentive         ■ synchronizable         ■ retentive         ■ synchronizable         ■ Yes         ■ synchronizable         ■ Yes         ■ synchronizable         ■ Yes         ■ Stack-up duration typically 6 weeks         ■ Synchronizable         ■ Yes         ■ Stack-up duration typically 6 weeks         ■ Yes         ■ Stack-up duration typically 6 weeks         ■ Yes         ■ Stack-up duration typically 6 weeks         ■ Synchronizable         ■ Ves         ■ Ves         ■ Ves 485 interfaces         ■ 1; 2 ports (switch)         ■ Number of RS 435 interfaces         ■ 0; together with RS 485         ■ Number of RS 232 interfaces         ■ 0 Number of RS 232 interfaces         ■ 0 Number of USB interfaces         ■ 0 USB Mini B         ■ 1; 5-pole         ■ Number of 20 mA interfaces (TTY)         ■ 0 Number of parallel interfaces         ■ 0 Number of parallel interfaces         ■ 0 Number of other interfaces         ■ 0 Number of ports of the interfaces         ■ No Industrial Ethernet         ■ Industrial Ethernet         ■ Industrial Ethernet status LED         ■ Number of ports of the integrated switch         ■ Protocols         ■ Protocol for PROFINET IO		
Software clock retentive synchronizable synchronizable  Finterfaces  Number of industrial Ethernet interfaces Number of RS 495 interfaces Number of SS 495 interfaces VISB Interfaces VIS		Vec
• retentive		
Synchronizable   Yes		
Interfaces		
Number of industrial Ethernet interfaces         1; 2 ports (switch)           Number of RS 485 interfaces         1; RS 422 / 485 combined           Number of RS 232 interfaces         0           Number of USB interfaces         2; USB 2.0           ■ USB Mini B         1; 5-pole           Number of 20 mA interfaces (TTY)         0           Number of parallel interfaces         0           Number of other interfaces         0           Number of SD card slots         2           With software interfaces         No           Industrial Ethernet         • Industrial Ethernet           • Industrial Ethernet status LED         2           • Number of ports of the integrated switch         2           PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         • HTTP		100
Number of RS 485 interfaces		1. 2 porto (quitab)
Number of RS 422 interfaces         0; together with RS 485           Number of RS 232 interfaces         0           Number of USB interfaces         2; USB 2.0           ■ USB Mini B         1; 5-pole           Number of 20 mA interfaces (TTY)         0           Number of parallel interfaces         0           Number of other interfaces         0           Number of SD card slots         2           With software interfaces         No           Industrial Ethernet         • Industrial Ethernet           • Industrial Ethernet status LED         2           • Number of ports of the integrated switch         2           Protocols           PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • SMMP         Yes           • LLDP         Yes           WEB characteristics         HTTP		
Number of RS 232 interfaces         0           Number of USB interfaces         2; USB 2.0           ● USB Mini B         1; 5-pole           Number of 20 mA interfaces (TTY)         0           Number of parallel interfaces         0           Number of other interfaces         0           Number of SD card slots         2           With software interfaces         No           Industrial Ethernet         1           • Industrial Ethernet status LED         2           • Number of ports of the integrated switch         2           Protocols         2           PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         • HTTP		
Number of USB interfaces       2; USB 2.0         ● USB Mini B       1; 5-pole         Number of 20 mA interfaces (TTY)       0         Number of parallel interfaces       0         Number of other interfaces       0         Number of SD card slots       2         With software interfaces       No         Industrial Ethernet       2         • Industrial Ethernet status LED       2         • Number of ports of the integrated switch       2         Protocols         PROFINET       Yes         Supports protocol for PROFINET IO       Yes         IRT       Yes; As of WinCC V12         PROFIBUS       Yes         EtherNet/IP       Yes         MPI       Yes         Protocols (Ethernet)       Yes         • TCP/IP       Yes         • SNMP       Yes         • DCP       Yes         • LLDP       Yes         WEB characteristics       • HTTP       Yes		
● USB Mini B  Number of 20 mA interfaces (TTY)  Number of parallel interfaces  Number of SD card slots  Vith software interfaces  No  Industrial Ethernet  ● Industrial Ethernet status LED ● Number of ports of the integrated switch  Protocols  PROFINET  Supports protocol for PROFINET IO  IRT  PROFIBUS  EtherNet/IP  MPI  Protocols (Ethernet)  ● TCP/IP ● SNMP ● DHCP ● SNMP ● DCP ● LLDP  Ves  WEB characteristics ● HTTP  Vanded  10  10  10  10  10  10  10  10  10  1		
Number of 20 mA interfaces (TTY)         0           Number of parallel interfaces         0           Number of SD card slots         2           With software interfaces         No           Industrial Ethernet         • Industrial Ethernet status LED         2           • Number of ports of the integrated switch         2           Protocols           PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         • HTTP		
Number of parallel interfaces         0           Number of other interfaces         0           Number of SD card slots         2           With software interfaces         No           Industrial Ethernet         • Industrial Ethernet status LED           • Number of ports of the integrated switch         2           PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         • HTTP		
Number of other interfaces         0           Number of SD card slots         2           With software interfaces         No           Industrial Ethernet         • Industrial Ethernet status LED           • Industrial Ethernet status LED         2           • Number of ports of the integrated switch         2           PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         • HTTP		
Number of SD card slots         2           With software interfaces         No           Industrial Ethernet         - Industrial Ethernet status LED           • Number of ports of the integrated switch         2           Protocols           PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         • HTTP		
With software interfaces Industrial Ethernet  Industrial Ethernet status LED  Number of ports of the integrated switch  PROFINET Supports protocol for PROFINET IO  IRT Yes; As of WinCC V12 PROFIBUS EtherNet/IP Yes  MPI Protocols (Ethernet)  TCP/IP SNMP SNMP SNMP SNMP SNMP SNMP SNMP SNM		
Industrial Ethernet              • Industrial Ethernet status LED             • Number of ports of the integrated switch          2            • Number of ports of the integrated switch          2            PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         • HTTP		
		INU
Number of ports of the integrated switch  Protocols  PROFINET  Supports protocol for PROFINET IO  IRT  PROFIBUS  EtherNet/IP  Yes  MPI  Protocols (Ethernet)  TCP/IP  DHCP  SNMP  DCP  LLDP  WEB Characteristics  HTTP  Yes  Yes  Yes  Yes  Yes  Yes  Yes  Ye		2
PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         HTTP		
PROFINET         Yes           Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         HTTP		2
Supports protocol for PROFINET IO         Yes           IRT         Yes; As of WinCC V12           PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • LLDP         Yes           WEB characteristics         Yes		
IRT		
PROFIBUS         Yes           EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           ● TCP/IP         Yes           ● DHCP         Yes           ● SNMP         Yes           ● DCP         Yes           ● LLDP         Yes           WEB characteristics         Yes		
EtherNet/IP         Yes           MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         Yes		
MPI         Yes           Protocols (Ethernet)         Yes           • TCP/IP         Yes           • DHCP         Yes           • SNMP         Yes           • DCP         Yes           • LLDP         Yes           WEB characteristics         Yes		
Protocols (Ethernet)           ● TCP/IP         Yes           ● DHCP         Yes           ● SNMP         Yes           ● DCP         Yes           ● LLDP         Yes           WEB characteristics         Yes		
<ul> <li>TCP/IP</li> <li>DHCP</li> <li>SNMP</li> <li>DCP</li> <li>LLDP</li> <li>WEB characteristics</li> <li>HTTP</li> <li>Yes</li> <li>Yes</li> <li>Yes</li> </ul>		Yes
<ul> <li>DHCP</li> <li>SNMP</li> <li>DCP</li> <li>LLDP</li> <li>WEB characteristics</li> <li>HTTP</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>SNMP</li> <li>DCP</li> <li>LLDP</li> <li>WEB characteristics</li> <li>HTTP</li> <li>Yes</li> <li>Yes</li> </ul>		
<ul> <li>DCP         Yes         LLDP         Yes         WEB characteristics         HTTP         Yes</li> </ul>		
<ul> <li>◆ LLDP</li> <li>WEB characteristics</li> <li>◆ HTTP</li> <li>Yes</li> </ul>		
WEB characteristics  ◆ HTTP  Yes		
• HTTP Yes		Yes
• HTTPS Yes		
	• HTTPS	Yes

• HTML	Yes
• XML	Yes
• CSS	Yes
<ul> <li>Active X</li> </ul>	Yes
<ul> <li>JavaScript</li> </ul>	Yes
Java VM	No
Redundancy mode	
Media redundancy	
— MRP	Yes; As of WinCC V12
Further protocols	
• CAN	No
MODBUS	Yes
Interrupts/diagnostics/status information	
Diagnoses	
<ul> <li>Diagnostic information readable</li> </ul>	Yes; S7 controller
EMC	
Emission of radio interference acc. to EN 55 011	
Limit class A, for use in industrial areas	Yes
<ul> <li>Limit class B, for use in residential areas</li> </ul>	No
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	103
ATEX Zone 2	Yes
ATEX Zone 22	Yes
• IECEx Zone 2	Yes
• IECEx Zone 22	Yes
• cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	Yes
• FM Class I Division 2	Yes
Marine approval	
Germanischer Lloyd (GL)	Yes
American Bureau of Shipping (ABS)	Yes
Bureau Veritas (BV)	Yes
Det Norske Veritas (DNV)	Yes
Lloyds Register of Shipping (LRS)	Yes
Nippon Kaiji Kyokai (Class NK)	Yes
Polski Rejestr Statkow (PRS)	No
Ambient conditions	110
Ambient temperature during operation  Operation (vertical installation)	
Operation (vertical installation)	0 °C
For vertical installation, min.  For vertical installation, max.	
— For vertical installation, max.	50 °C; (55 °C, see entry ID: 64847814)
Operation (max. tilt angle)	0 °C
— At maximum tilt angle, min.	0 °C
— At maximum tilt angle, max.	40 °C
Operation (vertical installation, portrait format)	0.00
— For vertical installation, min.	0 °C
— For vertical installation, max.	40 °C
Operation (max. tilt angle, portrait format)	
— At maximum tilt angle, min.	0°C

At maximum tilt andle may	35 °C
— At maximum tilt angle, max.	30 0
Ambient temperature during storage/transportation	-20 °C
min.     max.	-20 °C 60 °C
Relative humidity	00 0
Operation, max.	90 %; no condensation
Operation, max.	55 70, 110 OUTGOTTOUROTT
proprietary	No
pre-installed operating system	110
Windows CE	Yes
configuration / header	
Message indicator	Yes
Alarm system (incl. buffer and acknowledgment)	Yes
Process value display (output)	Yes
Process value default (input) possible	Yes
Recipe management	Yes
Configuration software	
STEP 7 Basic (TIA Portal)	No
<ul> <li>STEP 7 Professional (TIA Portal)</li> </ul>	No
WinCC flexible Compact	No
<ul> <li>WinCC flexible Standard</li> </ul>	No
<ul> <li>WinCC flexible Advanced</li> </ul>	No
<ul> <li>WinCC Basic (TIA Portal)</li> </ul>	No
<ul> <li>WinCC Comfort (TIA Portal)</li> </ul>	Yes; from V11
WinCC Advanced (TIA Portal)	Yes; from V11
WinCC Professional (TIA Portal)	Yes; from V11
Languages	
Online languages	
Number of online/runtime languages	32
Project languages	
Languages per project	32
Functionality under WinCC (TIA Portal)	
Libraries	Yes
Applications/options	V
Web browser     Deskt Word	Yes
Pocket Word     Pocket Event	Yes
Pocket Excel     PDE Violes	Yes
<ul><li>PDF Viewer</li><li>Media Player</li></ul>	Yes Yes
SIMATIC WinCC Sm@rtServer	Yes
SIMATIC WINCC STITUTION     SIMATIC WINCC Audit	Yes
Number of Visual Basic Scripts	Yes
Task planner	
• time-controlled	Yes
task-controlled	Yes
Message system	
Number of alarm classes	32
Bit messages	Yes
<ul> <li>Number of bit messages</li> </ul>	4 000
<ul> <li>Analog messages</li> </ul>	Yes
<ul> <li>Number of analog messages</li> </ul>	200
<ul> <li>S7 alarm number procedure</li> </ul>	Yes
<ul> <li>System messages HMI</li> </ul>	Yes
<ul> <li>System event, more (SIMATIC S7, SINUMERIK, SIMOTION,)</li> </ul>	Yes
<ul> <li>Number of characters per message</li> </ul>	80
<ul> <li>Number of process values per message</li> </ul>	8
Acknowledgment groups	Yes
Message indicator	Yes
Recipe management	

- Number of vocining	200
Number of recipes	300
Data records per recipe	500
Entries per data record	1 000
Size of internal recipe memory      Design memory avalants.	2 Mbyte
Recipe memory expandable  Variables	Yes
Number of variables per device	2 048
	400
<ul><li>Number of variables per screen</li><li>Limit values</li></ul>	Yes
Multiplexing	Yes
Structures	Yes
Arrays	Yes
Images	103
Number of configurable images	500
Permanent window/default	Yes
Global image	Yes
Pop-up images	Yes
Slide-in images	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	
Number of objects per image	400
Text fields	Yes
<ul><li>I/O fields</li></ul>	Yes
<ul> <li>Graphic I/O fields (graphics list)</li> </ul>	Yes
<ul> <li>Symbolic I/O fields (text list)</li> </ul>	Yes
<ul> <li>Date/time fields</li> </ul>	Yes
<ul><li>Switches</li></ul>	Yes
<ul><li>Buttons</li></ul>	Yes
Graphic display	Yes
• Icons	Yes
Geometric objects	Yes
Complex image objects	
<ul> <li>Number of complex objects per screen</li> </ul>	20
• Alarm view	Yes
• Trend view	Yes
• User view	Yes
Status/control	Yes
Sm@rtClient view	Yes
Recipe view	Yes
• f(x) trend view	Yes
System diagnostics view     Modia Player	Yes Yes
Media Player     HTML browser	Yes
<ul><li>HTML browser</li><li>PDF display</li></ul>	Yes
IP camera display	Yes
Bar graphs	Yes
Sliders	Yes
Pointer instruments	Yes
Analog/digital clock	Yes
Lists	
Number of text lists per project	500
Number of entries per text list	500
Number of graphics lists per project	500
Number of entries per graphics list	500
Archiving	
Number of archives per device	50
Number of entries per archive	20 000
Message archive	Yes
Process value archive	Yes

<ul> <li>Archiving methods</li> </ul>	
<ul> <li>Sequential archive</li> </ul>	Yes
<ul><li>— Short-term archive</li></ul>	Yes
<ul> <li>Memory location</li> </ul>	
— Memory card	Yes
— USB memory	Yes
— Ethernet	Yes
Data storage format	
— CSV	Yes
— TXT	Yes
— RDB	Yes
Security	
Number of user groups	50
Number of user rights	32
Number of users	50
Password export/import	Yes
SIMATIC Logon	Yes
Logging through printer	V
• Alarms	Yes
Report (shift log)	Yes
<ul><li>Hardcopy</li></ul>	Yes
Electronic print to file	Yes; PDF, HTML
Character sets	
<ul> <li>Keyboard fonts</li> </ul>	
— US English	Yes
Transfer (upload/download)	
<ul> <li>MPI/PROFIBUS DP</li> </ul>	Yes
• USB	Yes
Ethernet	Yes
<ul> <li>using external storage medium</li> </ul>	Yes
Process coupling	
• S7-1200	Yes
• S7-1500	Yes
• S7-200	Yes
• S7-300/400	Yes
• LOGO!	Yes
• WinAC	Yes
• SINUMERIK	Yes; with SINUMERIK option package
• SIMOTION	Yes
Allen Bradley (EtherNet/IP)	Yes
Allen Bradley (DF1)	Yes
Mitsubishi (MC TCP/IP)     Mitsubishi (FY)	Yes
Mitsubishi (FX)     OMPON (FING TOP)	Yes
OMRON (FINS TCP)  OMBON (FINS TCP)	No
OMRON (LINK/Multilink)	Yes
<ul> <li>Modicon (Modbus TCP/IP)</li> </ul>	Yes
<ul><li>Modicon (Modbus)</li></ul>	Yes
OPC UA Client	Yes
OPC UA Server	Yes
Service tools/configuration aids	
<ul> <li>Backup/Restore manually</li> </ul>	Yes
<ul> <li>Backup/Restore automatically</li> </ul>	Yes
Simulation	Yes
Device switchover	Yes
Peripherals/Options	
Printer	Yes
SIMATIC HMI MM memory card: Multi Media Card	Yes; Up to 128 MB
SIMATIC HIM HIM HIE HOLY Card. Multi Media Card  SIMATIC HIM SD memory card: Secure Digital memory	Yes; Up to 2 GB
card	1 63, Ομ (0 2 GD
SIMATIC HMI CF memory card Compact Flash Card	No
Similar in the memory our description out	.,,

USB memory	Yes
SIMATIC IPC USB Flashdrive (USB stick)	Yes; Up to 16 GB
SIMATIC HMI USB stick	Yes; Up to 8 GB
Network camera	Yes
Mechanics/material	
Enclosure material (front)	
<ul> <li>Plastic</li> </ul>	No
Aluminum	Yes
<ul> <li>Stainless steel</li> </ul>	No
Dimensions	
Width of the housing front	214 mm
Height of housing front	158 mm
Mounting cutout, width	197 mm
Mounting cutout, height	141 mm
Overall depth	63 mm
Weights	
Weight (without packaging)	1.4 kg
Weight (with packaging)	1.6 kg

last modified: 5/27/2022 🖸