SIEMENS

Data sheet

6AV6645-0EF01-0AX1



***** Spare part *** Does not correspond to the current version of the standard. For use outside the EU SIMATIC Mobile Panel 277F IWLAN (RFID), with integrated acknowledgment button, emergency stop button, handwheel, key-operated switch and two illuminated pushbuttons, supports IPCF (rapid roaming) configurable with WinCC flexible Standard Version 2008 SP 2 or higher or TIA Portal V11 SP2 or higher incl. 1 main battery Power supply to be ordered separately: 6AV6671-5CE00-0AX1 charging station 6AV6671-5CN00-0AX2 tabletop power supply unit (EU/US/UK/JP)

Figure similar

General information		
Customer-specific configuration	Yes	
Display		
Design of display	TFT	
Screen diagonal	7.5 in	
Color display	Yes	
Number of colors	65 536	
Resolution (pixels)		
 Horizontal image resolution 	640 pixel	
Vertical image resolution	480 pixel	
Backlighting		
 MTBF backlighting (at 25 °C) 	50 000 h	
Control elements		
Control elements	Keys and touch	
Keyboard fonts		
 Membrane keyboard 		
 user-definable label membrane keys 	Yes	
 Function keys 		
 Number of function keys 	18	
 Number of function keys with LEDs 	18	
 Keys with LED 	Yes	
 Numeric keyboard 	Yes	
 alphanumeric keyboard 	Yes	
 Multi-key operation 	Yes	
Number of multi-key operations	2	
Touch operation		
Design as touch screen	Yes; analog, resistive	
Connection type		
Type of connection for mouse/keyboard/barcode reader	USB / USB / USB	
Special operator controls		
 Emergency stop button (forced blocking) 	Yes	
 Acknowledgement button 	Yes	
 Key-operated switch 	Yes	
 Illuminated pushbutton 	Yes	
Handwheel	Yes	
Supply voltage		

Danisa of the account with	Vi
Design of the power supply	Via charging station or table power supply
Type of supply voltage	DC
Processor	
Processor type	ARM, 520 MHz
Memory	
Type of memory	Flash / RAM
Memory available for user data	6 Mbyte
Capacity of main memory, max.	128 Mbyte
Accumulator	
Main rechargeable battery	
 Rated voltage 	7.2 V
Capacity	5 100 mA·h
 Number of loading cycles, min 	500
 Charging time, typ. 	4 h
 Operating time, typ. 	4 h
 Display for battery capacity 	Yes
 Energy-saving mode 	Yes
 Battery replacement during operation 	Yes
Type of output	
Power LED	Yes
LED for safe	Yes
LED for communication	Yes
LED for battery	Yes
Vibrations	Yes
Time of day	
Clock	
Hardware clock (real-time)	Yes
• retentive	Yes
synchronizable	Yes
• Synchionizable	165
Interfaces	Au Ethamat (D.ME)
Interfaces Interfaces/bus type	1x Ethernet (RJ45)
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limit class B of EN 55011 must be ensured. For further information refer to the user documentation

Standards, approvals, certificates Certificate of subbilibity Certif		to the user documentation
CE mark	Standards, approvals, certificates	
CE mark	Certificate of suitability	cULus, RCM (former C-TICK)
Sultable for safety functions		·
Sultable for safety functions	cULus	Yes
Suitable for safety certification TOV safety certification Highest safety decording to ISO 13849-1 • ISI, acc. to IEC 61508 Ambient conditions Free fall • Fall height, max. Ambient temperature during operation • min. • max. Ambient temperature during storage-transportation • min. • max. Ambient temperature during storage-transportation • min. • max. Relative humidity • Operation, max. (Bo °C Relative humidity • Operation, max. (Bo °C Relative pharmidity • Vindows CE Configuration Message indicator Ves Alaim system (ind. buffer and acknowledgment) Ves Process value default (input) possible • Ves Configuration software • Configuration software • Configuration software • Configuration tool • WinCC Rexible Compact • WinCC Rexible Standard Ves • WinCC Rexible Advanced • WinCC Rexib	RCM (formerly C-TICK)	Yes
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Number of alarm classes 32	·	
		32
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	→ Dit IIIC33agC3	100

 Number of bit messages 	4 000
 Analog messages 	Yes
 Number of analog messages 	4 000
 System messages HMI 	Yes
 System messages PLC 	Yes
• Lines	1
 Number of characters per message 	80
Number of process values per message	8
Acknowledgment groups	
Number of acknowledgement groups	99
Message indicator	Yes
First/last value	Yes
Recipe management	
Number of recipes	300
Data records per recipe	500
Entries per data record	1 000
Recipe memory	64 KB integrated Flash, expandable
Variables	o i real mogration i ladii, expandable
Number of variables per device	2 048
Number of variables per device Number of variables per screen	200
Number of variables Number of variables	1 000
Initial values	2 048
	2 048
• Type Date & Time	
Limit values	Yes
Multiplexing Chrystyres	Yes
• Structures	Yes
Images	500
Number of configurable imagesPermanent window/default	500 Yes
	Yes
Start screen configurable	Yes
Image selection by PLC	Yes
Image number in the PLC	Yes
Image objects	40,000 to talendaria
Text objects	10 000 text elements
Number of I/O fields per image	200
Number of date/time fields	200
• Return	Yes
Graphics object	Bit maps, icons, vector graphics
— Icons	1 000
Complex image objects	
Status/control	Yes; With SIMATIC S7
dynamic objects	Diagrams, bar graphs, sliders, analog display, invisible buttons
Number of objects per project	1 000
Number of curve diagrams per image	10
• Methods	Trend / profile
Bar graphs	
 Number of bars per chart 	10
• Sliders	
 Number of slides per image 	10
 Pointer instruments 	
 Number of analog indicators per image 	10
Limit value lines	Yes
 Number of alphanumerical fields 	300
 alphanumeric fields per image 	200
 Number of numerical fields 	2 048
	200
 numerical fields per image 	200
numerical fields per image Number of password fields	2 0 4 8
·	

 visible switches per image 	200
 hidden switches per image 	200
 Number of status switches per project 	200
 Number of status switches per image 	200
 Number of selector switches per project 	200
 Selector switches per image 	200
 Number of decade switches per project 	200
Decade switches per image	200
Number of signal lamps per project	200
— Signal lamps per image	200
Attributes for dynamic objects	
Color change	Yes
X/Y movement	Yes
Hide	Yes
Lists	100
Number of text lists per project	500
	200
Number of text lists per image	
Number of entries per text list	256
Number of graphics lists per project	400
Number of graphic lists per image	200
Number of entries per graphics list	256
Archiving	
 Number of archives per device 	20
 Number of measuring points per project 	20
 Number of entries per archive 	10 000
 Message archive 	Yes
 Process value archive 	Yes
 Archiving methods 	
 Sequential archive 	Yes
 Short-term archive 	Yes
Memory location	MultiMediaCard
Data storage format	
— CSV	Yes
Online evaluation	
using trend curves	Yes
Filters	100
• cyclic	Yes
Tolerance	Yes
• Change	Yes
	165
Security	F0
Number of user groups	50
Number of user rights	32
Password export/import	Yes
Logging through printer	
Recording/Printing	Alarms, report (shift report), PROFINET
Transfer (upload/download)	
 Transfer of configuration 	USB, Ethernet, automatic transfer recognition
Wireless LAN	Yes
Process coupling	
 Connection to controller 	S7-200, S7- 300/400 see section on "System interfaces"
• S7-1200	Yes
• S7-1500	Yes; As of V13 SP1 Update 4, PROFIsafe communication also possible
• S7-200	Yes
— Ethernet	Yes
• S7-300/400	Yes
— PROFINET	Yes
	100
 SIMOTION 	
SIMOTIONZones	Yes; WinCC flexible 2008 SP3 or higher Yes

 Number of zones per project, max. 	254
Number of transponders for zones per project,	255
max.	
Effective range	Yes
 Number of effective ranges per project, max. 	127
 Number of transponders for effective ranges per project, max. 	127
 Transponder 	Yes
 Number of transponders per project, max. 	256
 adjustable distance range 	Yes
— adjustable distance, min.	2 m
— adjustable distance, max.	8 m
Functions	
 TAB sequence 	Yes
 Calculating functions 	Yes
Animate	Yes
Service tools/configuration aids	
Clean screen	Yes
Touch calibration	Yes
 Backup/Restore manually 	Yes
Simulation	Yes
 Device switchover 	Yes
Delta transfer	Yes
Peripherals/Options	
Peripherals	Barcode reader
SIMATIC HMI MM memory card: Multi Media Card	Yes
SIMATIC HMI SD memory card: Secure Digital memory card	Yes
USB memory	Yes
Additional software components loadable	Yes
Mechanics/material	
Enclosure material (front)	plastic
Dimensions	
Enclosure diameter	290 mm
Depth of housing	103 mm
Weights	
Weight (without packaging)	2.2 kg

last modified:

3/30/2021