

SIMATIC MOBILE PANEL 277 IWLAN V2, WITH HANDWHEEL, KEY SWITCH AND TWO ILLUMINATED PUSHBUTTON, CONFIGURABLE W. WINCC FLEXIBLE STANDARD VERSION 2008 AND HIGHER OR TIA PORTAL V11 SP2 AND HIGHER INCL. 1 MAIN BATTERY POWER SUPPLY TO BE ORDERED SEPARATELY: 6AV6671-5CE00-0AX1 CHARGING ST. 6AV6671-5CN00-0AX2 EXTERNAL 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
Number of colors	65 536
Color type	Colors
Resolution (pixels)	
• Resolution (WxH in pixel)	640 x 480
• 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	

<ul style="list-style-type: none"> • Membrane keyboard <ul style="list-style-type: none"> — user-definable label membrane keys • Function keys <ul style="list-style-type: none"> — Number of function keys — Number of function keys with LEDs • Keys with LED • Numeric/alphabetical input • Multi-key operation <ul style="list-style-type: none"> — Number of multi-key operations 	<p>Yes</p> <p>18</p> <p>18</p> <p>Yes</p> <p>Yes / Yes</p> <p>Yes</p> <p>2</p>
Touch operation	
<ul style="list-style-type: none"> • Design as touch screen 	Yes; analog, resistive
Connection type	
<ul style="list-style-type: none"> • Connection for mouse/keyboard/barcode reader 	USB / USB / USB
Special operator controls	
<ul style="list-style-type: none"> • Stop button • Acknowledgement button • Key-operated switch • Illuminated pushbutton • Handwheel 	<p>No</p> <p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
Supply voltage	
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
Main memory <ul style="list-style-type: none"> • Capacity of main memory, max. 	128 Mbyte
Type of output	
Status LEDs	Yes
Power LED	Yes
Time of day	
Clock	
<ul style="list-style-type: none"> • Type • Hardware clock (real-time) • retentive • synchronizable 	<p>Hardware clock, battery backup, synchronizable</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>
Interfaces	

Interfaces/bus type	1 x Ethernet (RJ45)
Number of RS 485 interfaces	0
Number of USB interfaces	1
USB port	1 x USB
Multimedia Card slot	1 MMC/SD card slot
Industrial Ethernet	
• Industrial Ethernet interface	1 x Ethernet (RJ45)

Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
PROFIBUS	No
Protocols (Ethernet)	
• TCP/IP	Yes
Further protocols	
• MODBUS	Yes; Modicon (MODBUS TCP/IP)
• other bus systems	Yes; Allen-Bradley E/IP C.Logix

EMC	
Emission of radio interference acc. to EN 55 011	
• Limit class A, for use in industrial areas	Yes; The product is designed for use in industrial environments. When used in residential areas, the emission of radio interference according to limit class B of EN 55011 must be ensured. For further information refer to the user documentation

Degree and class of protection	
Enclosure according to EN 60529	IP65

Standards, approvals, certificates	
Certifications	CE, cULus, C-TICK
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes

Ambient conditions	
Free fall	
• Fall height, max.	1.2 m
Ambient temperature during operation	
• min.	0 °C
• max.	40 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	80 %

Operating systems

Operating system	Windows CE
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Configuration

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

• WinCC flexible Compact	No
• WinCC flexible Standard	Yes
• WinCC flexible Advanced	No
• WinCC Basic (TIA Portal)	No
• WinCC Comfort (TIA Portal)	Yes; V11 SP2 or higher
• WinCC Advanced (TIA Portal)	Yes; V11 SP2 or higher
• WinCC Professional (TIA Portal)	Yes; V11 SP2 or higher
• Configuration tool	WinCC flexible Standard Version 2008 SP2 and higher (to be ordered separately)
• 2. Configuration kit	WinCC flexible Standard
— Version	Version 2008 SP2
— Configuration tool	WinCC flexible
— Type	Standard

Languages

Online languages

• Number of online/runtime languages	16
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Project languages

• Languages per project	32
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Functionality under WinCC (TIA Portal)

Libraries	Yes
Applications/options	Internet Explorer, Sm@rtService, Sm@rtAccess
Number of Visual Basic Scripts	Yes
Task planner	Yes
Help system	Yes
• Number of characters per info text	70

Message system

• Number of alarm classes	32
• Number of messages	4 000
• Bit messages	Yes
— 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	
• Number of variables per device	2 048
• Number of variables per screen	200
• Number of variables	1 000
• Initial values	2 048
• Type Date & Time	2 048
• Limit values	Yes
• Multiplexing	Yes
• Structures	Yes
Images	
• Number of configurable images	500
• Permanent window/default	Yes
• Start screen configurable	Yes
• Image selection by PLC	Yes
• Image number in the PLC	Yes
Image objects	
• 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 alphanumeric fields	300
— alphanumeric fields per image	200
• Number of numerical fields	2 048
— numerical fields per image	200
• Number of password fields	2 048
• Number of visible switches per project	200
— 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

• Number of text lists per project	500
• Number of text lists per image	200
• 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

<ul style="list-style-type: none"> • Archiving methods <ul style="list-style-type: none"> — Sequential archive — Short-term archive • Memory location • Data storage format <ul style="list-style-type: none"> — CSV • Online evaluation <ul style="list-style-type: none"> — using trend curves 	<p>Yes</p> <p>Yes</p> <p>MultiMediaCard</p> <p>Yes</p> <p>Yes</p>
Filters	
<ul style="list-style-type: none"> • cyclic • Tolerance • Change 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
Security	
<ul style="list-style-type: none"> • Number of user groups • Number of user rights • Password export/import 	<p>50</p> <p>32</p> <p>Yes</p>
Logging through printer	
<ul style="list-style-type: none"> • Recording/Printing 	Alarms, report (shift report), PROFINET
Transfer (upload/download)	
<ul style="list-style-type: none"> • Transfer of configuration 	USB, Ethernet, automatic transfer recognition
Process coupling	
<ul style="list-style-type: none"> • Connection to controller • S7-1200 • S7-1500 • S7-200 <ul style="list-style-type: none"> — Ethernet • S7-300/400 <ul style="list-style-type: none"> — PROFINET • LOGO! • SIMOTION • Allen Bradley (EtherNet/IP) • Mitsubishi (MC TCP/IP) • Modicon (Modbus TCP/IP) 	<p>S7-200, S7- 300/400 see section on "System interfaces"</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes; WinCC V11 SP2 or higher</p> <p>Yes</p>
Functions	
<ul style="list-style-type: none"> • TAB sequence • Calculating functions • Animate 	<p>Yes</p> <p>Yes</p> <p>Yes</p>
Service tools/configuration aids	
<ul style="list-style-type: none"> • Clean screen • Touch calibration • Backup/Restore manually 	<p>Yes</p> <p>Yes</p> <p>Yes</p>

- 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

Type of housing (front)	plastic
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Dimensions

Enclosure diameter	290 mm
Depth of housing	103 mm

Weights

Weight (without packaging)	2.2 kg
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Other

free hotline	Yes
Warranty period	1 y
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