

SIMATIC HMI SMART 1000 IE V3, SMART Panel, Touch operation, 10" widescreen TFT display, 65536 colors, RS422/485 interface, Ethernet (RJ45) interface, host USB type A, RTC support, with CE certificate, configurable from WinCC flexible SMART; contains open-source software, which is provided free of charge see enclosed CD



General information	
Product type designation	1000 IE V3
Display	
Design of display	TFT
Screen diagonal	10.1 in
Display width	222.7 mm
Display height	125.3 mm
Number of colors	65 536
Resolution (pixels)	
• Horizontal image resolution	1 024 Pixel
• Vertical image resolution	600 Pixel
Backlighting	
• MTBF backlighting (at 25 °C)	15 000 h
• Backlight dimmable	No
Control elements	
Keyboard fonts	
• Function keys	
— Number of function keys	0

— Number of function keys with LEDs	0
• Keys with LED	No
• System keys	No
• Numeric keyboard	Yes; Onscreen keyboard
• alphanumeric keyboard	Yes; Onscreen keyboard
<b>Touch operation</b>	
• Design as touch screen	Yes
<b>Installation type/mounting</b>	
Mounting in portrait format possible	Yes
Mounting in landscape format possible	Yes
maximum permissible angle of inclination without external ventilation	35°
<b>Supply voltage</b>	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
<b>Input current</b>	
Current consumption (rated value)	230 mA
Current consumption, max.	370 mA
Starting current inrush I <sup>2</sup> t	0.1 A <sup>2</sup> ·s
<b>Processor</b>	
Processor type	ARM, 600 MHz
<b>Memory</b>	
Flash	Yes
RAM	Yes
<b>Type of output</b>	
Acoustics	
• Buzzer	Yes
• Speaker	No
<b>Time of day</b>	
Clock	
• Hardware clock (real-time)	Yes
• Software clock	Yes
• retentive	Yes
• synchronizable	Yes
<b>Interfaces</b>	
Number of industrial Ethernet interfaces	1
Number of RS 485 interfaces	1; together with RS 422

Number of RS 422 interfaces	1; together with RS 485
Number of RS 232 interfaces	0
Number of USB interfaces	1
Number of 20 mA interfaces (TTY)	0
Number of parallel interfaces	0
Number of other interfaces	0
Number of SD card slots	0
<b>Industrial Ethernet</b>	
• Industrial Ethernet status LED	2

### Protocols

PROFINET	No
Supports protocol for PROFINET IO	No
IRT	No
PROFIBUS	No
MPI	No

### Protocols (Ethernet)

• TCP/IP	Yes
• DHCP	Yes
• SNMP	No
• DCP	No
• LLDP	No

### WEB characteristics

• HTTP	No
• HTML	No

### Redundancy mode

• MRP	No
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### Further protocols

• CAN	No
• EtherNet/IP	Yes
• MODBUS	Yes

### Interrupts/diagnostics/status information

#### Diagnostic messages

• Diagnostic information readable	No
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### EMC

#### Emission of radio interference acc. to EN 55 011

• Limit class A, for use in industrial areas	Yes
• Limit class B, for use in residential areas	No

### Degree and class of protection

IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	