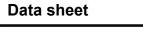
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SIMATIC ITC1900 V3 PRO, Industrial Thin Client, 19" widescreen TFT display, capacitive touch sensor Supported protocols: RDP, VNC, Smart Server, HTML5 etc. standard design, prepared for support arm without expansion elements

Product type designation Display Design of display Screen diagonal 18.5 in; 19* Display width 409.8 mm Display height 230.4 mm Number of colors 16.777 216 Resolution (pixels) • Image resolution • Horizontal image resolution • Vertical image resolution • Vertical image resolution • Vertical image resolution • Design as multi-ound screen • Detachable from computer unit Backlighting • Type of backlighting (at 25 °C) • Backlight dimmable Control elements Touch operation • Design as multi-touch screen • Monitor keyboard • Design as multi-touch screen • Monitor keyboard • Support arm mounting Support arm mounting • Support arm mounting • Support arm mounting • Support arm mounting • Monitor keyboard • Pront mounting • Monitor keyboard • Pront mounting • Support arm mounting • Support arm mounting • Monitor keyboard • Pront mounting • Pront mountin	General information	
Design of display Screen diagonal Display width Display height 230.4 mm Number of colors Resolution (pixels) I mage resolution Vertical image resolution Vertical image resolution Design as described in the process of the pixel of	Product type designation	ITC1900 V3 PRO
Screen diagonal Display width 409.8 mm Display height 230.4 mm Number of colors 16 777 216 Resolution (pixels) Image resolution Horizontal image resolution Vertical image resolution Vertical image resolution Tose pixel India image resolution Post pixel India image resolution Post pixel India image resolution Post pixel India image resolution Tose pixel India image resolution Tose pixel India image resolution Tose pixel India image resolution India image re	Display	
Display width 409.8 mm Display height 230.4 mm Number of colors Resolution (pixels) Image resolution	Design of display	TFT widescreen display, LED backlighting
Display height 230.4 mm Number of colors 16 777 216 Resolution (pixels) I mage resolution 1 366 x 768 Horizontal image resolution 768 pixel Vertical image resolution 1 366 pixel Onon-reflective and tempered mineral glass screen 100 m Detachable from computer unit 100 m Backlighting 100 m Backlighting 100 m Backlighting 100 m EED, dimmable 100 m MTBF backlighting (at 25 °C) 50 000 h; At 25°C Backlight dimmable Yes Control elements Control elements Touch operation 100 m Design as multi-fouch screen Yes; Projective-capacitive Monitor keyboard Yes Installation type/mounting Design Support arm mounting No Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical supply voltage	Screen diagonal	18.5 in; 19"
Number of colors Resolution (pixels) Image resolution Horizontal image resolution Vertical image resolution Resolution Vertical image resolution Vertical image resolution Resolution Vertical image resolution Vertical image resolution Resolution Vertical image resolution Ves Nom non-reflective and tempered mineral glass screen Ves Nom non-reflective and tempered mineral glass screen Ves Ves LED, dimmable LED, dimmable Ves Nom No No Nat 25°C Ves So 000 h; At 25°C Ves Control elements Touch operation Design as touch screen Ves Posign as multi-touch screen Ves; Projective-capacitive Ves Installation type/mounting Design Support arm mounting No Support arm mounting Ves; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage	Display width	409.8 mm
Resolution (pixels) Image resolution Horizontal image resolution Vertical image resolution Vertical image resolution Vertical image resolution Resolution Vertical image resolution Resolution Vertical image resolution Re	Display height	230.4 mm
Image resolution Horizontal image resolution Vertical image resolution Vertical image resolution To 88 pixel General features In on-reflective and tempered mineral glass screen Detachable from computer unit Detachable from statistic from the statistic from	Number of colors	16 777 216
Horizontal image resolution Vertical image resolution Feneral features • non-reflective and tempered mineral glass screen • Detachable from computer unit Backlighting • Type of backlighting • MTBF backlighting (at 25 °C) • Backlight dimmable Control elements Control elements Touch operation • Design as touch screen • Design as multi-touch screen • Monitor keyboard • Monitor keyboard Support arm mounting Design Support arm mounting Support arm mounting Stand mounting No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical 768 pixel 76	Resolution (pixels)	
Vertical image resolution General features	 Image resolution 	1 366 x 768
General features • non-reflective and tempered mineral glass screen • Detachable from computer unit Backlighting • Type of backlighting • MTBF backlighting (at 25 °C) • Backlight dimmable • Yes Control elements Control elements Touch operation • Design as touch screen • Design as multi-touch screen • Monitor keyboard Installation type/mounting Design Support arm mounting Support arm mounting Support arm mounting Stand mounting Position in the screen on the support arm without extension components Stand mounting Built-in unit Mo maximum permitted forward tilt angle from vertical Supply voltage	 Horizontal image resolution 	1 366 pixel
• non-reflective and tempered mineral glass screen • Detachable from computer unit Backlighting • Type of backlighting (at 25 °C) • Backlight dimmable • MTBF backlighting (at 25 °C) • Backlight dimmable Control elements Control elements Touch operation • Design as touch screen • Design as multi-touch screen • Monitor keyboard Pesign Support arm mounting Front mounting Support arm mounting Support arm mounting Stand mounting Built-in unit No maximum permitted forward tilt angle from vertical Supply voltage Yes Yes Yes Yes Yes Yes Suport arm without extension components No No Support arm without extension components Saso Supply voltage	Vertical image resolution	768 pixel
Detachable from computer unit Backlighting Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Yes Control elements Control elements Touch operation Design as multi-touch screen Monitor keyboard Pesign Support arm mounting Support arm mounting Stand mounting Built-in unit No maximum permitted forward tilt angle from vertical Backlighting LED, dimmable Yes Support arm suiting No Support arm mounting No Support arm without extension components No maximum permitted forward tilt angle from vertical 35° supply voltage	General features	
Backlighting Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Yes Control elements Control elements multi-touch screen Touch operation Design as touch screen Monitor keyboard Installation type/mounting Design Support arm mounting Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical 35° Supply voltage	 non-reflective and tempered mineral glass screen 	Yes
Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Yes Control elements Control elements Touch operation Design as touch screen Monitor keyboard Design Design Support arm mounting Front mounting Support arm mounting Stand mounting Built-in unit maximum permitted forward tilt angle from vertical mTBC 50 000 h; At 25°C	Detachable from computer unit	100 m
MTBF backlighting (at 25 °C) Backlight dimmable Yes Control elements Control elements multi-touch screen Touch operation Design as touch screen Pesign as multi-touch screen Pesign as multi-touch screen Pesign as multi-touch screen Pesign as multi-touch screen Pesign Monitor keyboard Pesign Support arm mounting Design Support arm mounting Pront mounting Support arm mounting Pesign Support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical Supply voltage Supply voltage	Backlighting	
Backlight dimmable Control elements Control elements multi-touch screen Touch operation Design as touch screen Pesign as multi-touch screen Monitor keyboard Installation type/mounting Design Support arm mounting Front mounting No Support arm mounting Yes; Suitable for support arm without extension components Stand mounting Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage Multi-touch screen Yes Pes Projective-capacitive Yes Support arm mounting Support arm mounting No Support arm mounting No Support arm without extension components No maximum permitted forward tilt angle from vertical 35° Supply voltage	 Type of backlighting 	LED, dimmable
Control elements Control elements multi-touch screen Design as touch screen Design as multi-touch screen Monitor keyboard Pesign Support arm mounting Front mounting Support arm mounting Support arm mounting Stand mounting Built-in unit maximum permitted forward tilt angle from vertical multi-touch screen Yes Yes Yes; Projective-capacitive Yes Support arm mounting Support arm mounting No No No Support arm mounting No Support arm without extension components Stand mounting No Support arm mounting No Support arm mounting No Support arm without extension components Stand mounting No Support arm mounting No Support arm without extension components Stand mounting No Support arm mounting No Support arm without extension components Stand mounting No Support arm mounting No Support arm without extension components Stand mounting No Support arm moun	 MTBF backlighting (at 25 °C) 	50 000 h; At 25°C
Control elements Touch operation Design as touch screen Design as multi-touch screen Monitor keyboard Pesign Support arm mounting Front mounting Support arm mounting Yes; Suitable for support arm without extension components Stand mounting Built-in unit maximum permitted forward tilt angle from vertical Supply voltage multi-touch screen Yes Yes Yes Support arm mountive Support arm mounting No No No Support arm without extension components Stand mounting No Support arm mounting No Support arm mounting No Support arm without extension components Stand mounting No Support arm	Backlight dimmable	Yes
Touch operation Design as touch screen Design as multi-touch screen Monitor keyboard Support arm mounting Front mounting Support arm mounting Yes; Projective-capacitive Yes Installation type/mounting Design Support arm mounting No Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage	Control elements	
 Design as touch screen Design as multi-touch screen Monitor keyboard Monitor keyboard Yes Installation type/mounting Design Support arm mounting Front mounting No Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical 35° Supply voltage Supply voltage Yes Support arm mounting No 35° 35° Supply voltage	Control elements	multi-touch screen
 Design as multi-touch screen Monitor keyboard Yes Installation type/mounting Design Front mounting Support arm mounting Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit Mo maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical 35° Supply voltage 	Touch operation	
● Monitor keyboard Installation type/mounting Design Support arm mounting Front mounting No Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage	 Design as touch screen 	Yes
Installation type/mounting Design Support arm mounting Front mounting No Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage	 Design as multi-touch screen 	Yes; Projective-capacitive
Design Support arm mounting No Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical 35° Supply voltage	Monitor keyboard	Yes
Front mounting Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage	Installation type/mounting	
Support arm mounting Yes; Suitable for support arm without extension components Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage Yes; Suitable for support arm without extension components No Support arm mounting No Support arm without extension components	Design	Support arm mounting
Stand mounting Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage	Front mounting	No
Built-in unit Mo maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage	Support arm mounting	Yes; Suitable for support arm without extension components
maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage	Stand mounting	No
maximum permitted backward tilt angle from vertical 35° Supply voltage	Built-in unit	No
Supply voltage	maximum permitted forward tilt angle from vertical	35°
	maximum permitted backward tilt angle from vertical	35°
Type of supply voltage	Supply voltage	
Type of Supply Voltage	Type of supply voltage	DC
Rated value (DC) 24 V	Rated value (DC)	24 V
permissible range, lower limit (DC) 19.2 V	permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC) 28.8 V	permissible range, upper limit (DC)	28.8 V
Input current	Input current	
Current consumption (rated value) 1.4 A	Current consumption (rated value)	1.4 A

Starting current inrush I²t	0.5 A ² ·s
Power	V.U.N. 3
Active power input, typ.	34 W
Power loss	34 W
Power loss, typ.	34 W
Interfaces	34 VV
Number of industrial Ethernet interfaces	2; 2 ports (switch)
Number of USB interfaces	4; on rear
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Industrial Ethernet	000
Transmission rate, max.	1 000 Mbit/s
Protocols	. 555 mbits
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	
• HTTP	Yes
• HTTPS	Yes
• HTML	Yes; HTML5
• XML	Yes
• CSS	Yes
 Active X 	No
JavaScript	Yes
• Java VM	No
Protocols (terminal link)	
Sm@rtServer	Yes
• RDP	Yes
 VNC viewer 	Yes
• Citrix	Yes
• SINUMERIK	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	NEMA 4x (when installed)
 Enclosure Type 4 at the front 	Yes
 Enclosure Type 4x at the front 	Yes
Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
FM approval	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
EAC (formerly Gost-R)	Yes
Use in hazardous areas	
• ATEX Zone 2	No
• ATEX Zone 22	No
• IECEx Zone 2	No
• IECEx Zone 22	No
• cULus Class I Zone 2, Division 2	No
• FM Class I Division 2	No
Marine approval	No
Germanischer Lloyd (GL) American Russey of Shinning (ARS)	No No
American Bureau of Shipping (ABS) Russau Vasitas (DV)	No No
Bureau Veritas (BV) Dot Norska Veritas (DNV)	No No
 Det Norske Veritas (DNV) 	No

 Korean Register of Shipping (KRS) 	No
Lloyds Register of Shipping (LRS)	No
Nippon Kaiji Kyokai (Class NK)	No
Polski Rejestr Statkow (PRS)	No
Chinese Classification Society (CCS)	No
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
Operation, max.	90 %; no condensation
Vibrations	
Vibration load in operation	10 m/s²
 Vibration load during transport/storage 	10 m/s ²
Shock testing	
Shock load during operation	150 m/s ²
shock acceleration during storage/transport	150 m/s ²
Software	
Web browser	Yes; HTML5, CSS
PDF reader	Yes
configuration / header	
Configuration	
• Local	Yes
	103
Remote	Yes; Via web page
Remote Languages	
Languages	
Languages Online languages	Yes; Via web page
Languages Online languages ● Number of online/runtime languages	Yes; Via web page
Languages Online languages Number of online/runtime languages Peripherals/Options	Yes; Via web page 2; german / english
Languages Online languages ■ Number of online/runtime languages Peripherals/Options USB memory	Yes; Via web page 2; german / english
Languages Online languages • Number of online/runtime languages Peripherals/Options USB memory Mechanics/material	Yes; Via web page 2; german / english
Languages Online languages Number of online/runtime languages Peripherals/Options USB memory Mechanics/material Enclosure material (front)	Yes; Via web page 2; german / english Yes; USB storage medium can be connected
Languages Online languages Number of online/runtime languages Peripherals/Options USB memory Mechanics/material Enclosure material (front) Aluminum	Yes; Via web page 2; german / english Yes; USB storage medium can be connected
Languages Online languages Number of online/runtime languages Peripherals/Options USB memory Mechanics/material Enclosure material (front) Aluminum Dimensions	Yes; Via web page 2; german / english Yes; USB storage medium can be connected Yes
Languages Online languages Number of online/runtime languages Peripherals/Options USB memory Mechanics/material Enclosure material (front) Aluminum Dimensions Width of the housing front	Yes; Via web page 2; german / english Yes; USB storage medium can be connected Yes 462 mm
Languages Online languages Number of online/runtime languages Peripherals/Options USB memory Mechanics/material Enclosure material (front) Aluminum Dimensions Width of the housing front Height of housing front	Yes; Via web page 2; german / english Yes; USB storage medium can be connected Yes 462 mm 293 mm; Without basic adapter
Languages Online languages Number of online/runtime languages Peripherals/Options USB memory Mechanics/material Enclosure material (front) Aluminum Dimensions Width of the housing front Height of housing front Overall depth	Yes; Via web page 2; german / english Yes; USB storage medium can be connected Yes 462 mm 293 mm; Without basic adapter

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