SIEMENS

Data sheet

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SIMATIC ITC1900 V3, Industrial Thin Client, 19" widescreen TFT display, capacitive touch sensor, Supported protocols: RDP, VNC, SMARTSERVER HTML5 et. al., Neutral Design, panel mount



Product type designation ITC 1900 V3 Display TET widescreen display, LED backlighting Screen diagonal 18.5 in; 19" Display width 490.8 mm Display width 204.4 mm Number of colors 19.772 16 Resolution (pixels) - • Inage resolution 1.366 x 788 • Inage resolution 768 pixel • Vertical image resolution 768 pixel • Indige resolution 768 pixel • Obtachable from computer unit 100 m Backlighting - • Type of backlighting (d 25 °C) 50 000 h; At 26°C • Backlight diamable Yes Control elements - Control elements - Control elements Yes • Design as nulti-touch screen Yes Installation type/mounting Yes Support am mounting So ⁵ <	General information		
Design of display TFT widescreen display, LED backlighting Screen disgonal 18.5 in; 19" Display width 409.8 mm Display width 230.4 mm Number of colors 18 777 216 Resolution (pixels) 1366 x 763 image resolution 1 366 pixel vertical image resolution 1 366 pixel vertical image resolution 1366 pixel vertical image resolution 100 m Backlighting vipe of backlighting (at 25 °C) 50 0000 h; At 25°C eacking this (mintable Yes Control elements multi-touch screen velagin as multi-touch screen Yes velagin as multi-touch screen Yes velagin a	Product type designation	ITC1900 V3	
Screen diagonal 18.5 in; 19" Display height 409.8 mm Display height 230.4 mm Number of colors 16 777 216 Resolution (pixels) 1 • Image resolution 1 366 x 768 • Horizontal image resolution 1 366 k 768 • Indiage resolution 768 pixel • Concer and tempered mineral glass screen Yes • Indiage resolution 708 pixel • Control elements Yes • Instell dimmable Yes • Outrol elements multi-buch screen • Outrol elements Yes • Outrol elements multi-buch screen • Outrol elements Yes • Outrol elements Yes • Design as touch screen Yes • Design as touch screen Yes • Design as multi-buch screen Yes • Support arm mounting	Display		
Display width 409.8 mm Display height 230.4 mm Number of colors 16 777 216 Resolution (pixels) 1366 x768 • Horizontal image resolution 1366 pixel • Vertical image resolution 1366 pixel • Vertical image resolution 788 pixel Ceneral features Yes • Introductable from computer unit 100 m Backlighting LED, dimmable • Type of backlighting (at 25 °C) 50 000 h; At 25°C • Backlight dimmable Yes Control elements multi-touch screen Touch operation Yes • Design as multi-touch screen Yes • Design as multi-touch screen Yes Installation type/mounting Yes Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Stand mounting Sa* Support voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, lower limit (DC) 28.8 V	Design of display	TFT widescreen display, LED backlighting	
Display height 230.4 mm Number of colors 16 777 216 Resolution (pixels) 1366 x 768 • Image resolution 1366 x 768 • Horizontal image resolution 1366 pixel • Vertical image resolution 788 pixel General features • • non-reflective and tempered mineral glass screen Yes • Detachable from computer unit 100 m Backlighting • • Type of backlighting (at 25 °C) 50 000 h; At 25°C • Backlight dimmable Yes Control elements multi-fouch screen • Design as buch screen Yes • Design as multi-fouch screen Yes Support arm mounting No Support arm mounting No Suith-in unit Yes maximum permitted forward tilt angle from vertical 35° Support arm mounting No Support arm mounting No Support arm mounting Se <td>Screen diagonal</td> <td>18.5 in; 19"</td>	Screen diagonal	18.5 in; 19"	
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Resolution (pixels) 1 366 x 768 • Horizontal image resolution 1 366 pixel • Verical image resolution 768 pixel General features 768 pixel • non-reflective and tempered mineral glass screen Yes • Detachable from computer unit 100 m Backlighting EED, dimmable • Type of backlighting (at 25 °C) 50 000 h; At 25°C • Backlight dimmable Yes Control elements multi-touch screen Touch operation Yes • Design as nuclti-touch screen Yes; Projective-capacitive • Monitor keyboard Yes Installation type/mounting Yes Design Built-in unit Front mounting Yes Stand mounting No Built-in unit Yes maximum permitted backward tilt angle from vertical 35° maximum permitted backward t	Display height	230.4 mm	
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• Horizontal image resolution 1 366 pixel • Vertical image resolution 768 pixel General features • • non-reflective and tempered mineral glass screen Yes • Detachable from computer unit 100 m Backlighting • • Type of backlighting (at 25 °C) 50 000 h; At 25°C • Backlight dimmable Yes Control elements multi-touch screen Touch operation Yes • Design as nulti-touch screen Yes • Design as touch screen Yes • Design as touch screen Yes • Design as nulti-touch screen Yes • Design as nulti-touch screen Yes • Design as multi-touch screen Yes • Design multi-touch screen Yes • Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes maximum permitted backward tilt angle from vertical 35° Supply voltage DC Rated value (DC) 24 V permissible range, low	Resolution (pixels)		
• Vertical image resolution 768 pixel General features • non-reflective and tempered mineral glass screen Yes • Detachable from computer unit 100 m Backlighting LED, dimmable • Type of backlighting (at 25 °C) 50 000 h; At 25 °C • Backlight dimmable Yes Control elements multi-touch screen Touch operation Yes Obtion of the screen Yes Installation type/mounting Yes Design as multi-touch screen Yes Installation type/mounting Yes Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 24 V permissible range, uover limit (DC) 28 8V V	Image resolution	1 366 x 768	
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• non-reflective and tempered mineral glass screen Yes • Detachable from computer unit 100 m Backlighting 100 m • Type of backlighting LED, dimmable • MTBF backlighting (at 25 °C) 50 000 h; At 25°C • Backlight dimmable Yes Control elements multi-touch screen Touch operation • • Design as touch screen Yes • Design as multi-touch screen Yes Installation type/mounting Yes Design Built-in unit Front mounting Yes Support arm mounting No Built-in unit Yes maximum permitted forward tilt angle from vertical 35° Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, lower limit (DC) 28.8 V	Vertical image resolution	768 pixel	
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• Type of backlighting LED, dimmable • MTBF backlighting (at 25 °C) 50 000 h; At 25°C • Backlight dimmable Yes Control elements multi-touch screen Touch operation • Design as touch screen Yes • Design as multi-touch screen Yes; Projective-capacitive • Monitor keyboard Yes Installation type/mounting Yes Design amulti-touch screen Yes Installation type/mounting Yes Support arm mounting Yes Stand mounting No Built-in unit Yes maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Input current 28.8 V	Detachable from computer unit	100 m	
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Touch operation • Design as touch screen Yes • Design as multi-touch screen Yes; Projective-capacitive • Monitor keyboard Yes Installation type/mounting Yes Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Input current Input current	Control elements		
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Installation type/mounting Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Input current Input current	 Design as multi-touch screen 	Yes; Projective-capacitive	
Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage DC 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 Input current Input current	Monitor keyboard	Yes	
Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Input current Input current	Installation type/mounting		
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Stand mountingNoBuilt-in unitYesmaximum permitted forward tilt angle from vertical35°maximum permitted backward tilt angle from vertical35°Supply voltageType of supply voltageRated value (DC)24 Vpermissible range, lower limit (DC)19.2 Vpermissible range, upper limit (DC)28.8 VInput current	Front mounting	Yes	
Built-in unit Yes maximum permitted forward tilt angle from vertical 35° maximum permitted backward tilt angle from vertical 35° Supply voltage DC 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 Input current Input current	Support arm mounting	No	
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maximum permitted backward tilt angle from vertical 35° Supply voltage DC 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 Input current	Built-in unit	Yes	
Supply voltage DC 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 Input current 1000000000000000000000000000000000000	maximum permitted forward tilt angle from vertical	35°	
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	maximum permitted backward tilt angle from vertical	35°	
Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Input current 28.8 V	Supply voltage		
permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V Input current 19.2 V	Type of supply voltage	DC	
permissible range, upper limit (DC) 28.8 V Input current	Rated value (DC)	24 V	
Input current	permissible range, lower limit (DC)	19.2 V	
	permissible range, upper limit (DC)	28.8 V	
	Input current		
Current consumption (rated value) 1.4 A	Current consumption (rated value)	1.4 A	

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Starting current inrush I ² t	0.5 A ² ·s
Power	
Active power input, typ.	34 W
Power loss	
Power loss, typ.	34 W
Interfaces	
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	
 Transmission rate, max. 	1 000 Mbit/s
Protocols	
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
• LLDP	Yes
WEB characteristics	
• HTTP	Yes
• HTML	Yes; HTML5
• XML	Yes
• CSS	Yes
 JavaScript 	Yes
Protocols (terminal link)	
Sm@rtServer	Yes
• RDP	Yes
VNC viewer	Yes
• Citrix	No
• SINUMERIK	No
	NU
Degree and class of protection	INU
	IP65
Degree and class of protection IP (at the front)	
Degree and class of protection IP (at the front) IP (rear)	IP65 IP20
Degree and class of protection IP (at the front) IP (rear) NEMA (front)	IP65 IP20 NEMA 4x (when installed)
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front	IP65 IP20 NEMA 4x (when installed) Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front	IP65 IP20 NEMA 4x (when installed) Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front	IP65 IP20 NEMA 4x (when installed) Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front • Enclosure Type 12, at the front • Standards, approvals, certificates	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes
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Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK)	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes Yes Yes Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R)	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • IECEx Zone 2	IP65 IP20 NEMA 4x (when installed) Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes
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Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • IECEx Zone 2 • IECEx Zone 2 • CULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS)	IP65 IP20 NEMA 4x (when installed) Yes No; Available soon
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 12 at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • IECEx Zone 22 • IECEx Zone 22 • CULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV)	IP65 IP20 NEMA 4x (when installed) Yes No; Available soon No; Available soon
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • IECEx Zone 22 • IECEx Zone 22 • CULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV)	IP65 IP20 NEMA 4x (when installed) Yes No; Available soon No; Available soon No; Available soon No; Available soon
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • IECEx Zone 22 • IECEx Zone 22 • CULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Korean Register of Shipping (KRS)	IP65 IP20 NEMA 4x (when installed) Yes No; Available soon No
Degree and class of protection IP (at the front) IP (rear) NEMA (front) • Enclosure Type 4 at the front • Enclosure Type 4x at the front • Enclosure Type 12 at the front Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • IECEx Zone 22 • IECEx Zone 22 • CULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV)	IP65 IP20 NEMA 4x (when installed) Yes No; Available soon No; Available soon No; Available soon

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.	0° 00
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/s²
Software	
Web browser	Yes; HTML5, CSS
PDF reader	Yes
configuration / header	
Configuration	
• Local	Yes
Remote	Yes; Via web page
Languages	
Online languages	
 Number of online/runtime languages 	2; german / english
Peripherals/Options	
USB memory	Yes; USB storage medium can be connected
Mechanics/material	
Enclosure material (front)	
Aluminum	Yes
Dimensions	
Width of the housing front	464 mm
Height of housing front	294 mm
Mounting cutout, width	448 mm
Mounting cutout, height	278 mm
Overall depth	73 mm
Weights	
Weight (without packaging)	6.1 kg
last modified:	5/22/2024 🖸