## **SIEMENS**

## **Data sheet**



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 ITC1900 V3 Display  Design of display  Screen diagonal 18.5 in; 19" Jisplay width 409.8 mm Jisplay height 29.4 mm Number of colors 15.77 216  Resolution (pixels)  I mage resolution 1 366 pixel 768 pixe	General information		
Design of display  Screen diagonal  Display width  Display height  Display hei	Product type designation	ITC1900 V3	
Screen diagonal   18.5 in; 19"	Display		
Display width Display height Display	Design of display	TFT widescreen display, LED backlighting	
Display height Number of colors Resolution (pixels)  Image resolution Horizontal image resolution Horizontal image resolution Horizontal image resolution Vertical image resolution Horizontal image resolution Vertical image resolution Peach pixel Horizontal image resolution Vertical image resolution Vert	Screen diagonal	18.5 in; 19"	
Number of colors   16 777 216	Display width	409.8 mm	
Resolution (pixels)   Image resolution	Display height	230.4 mm	
Image resolution Horizontal image resolution Vertical image resolution Vertical image resolution To pixel Vertical image resolution Vertical image resolu	Number of colors	16 777 216	
Horizontal image resolution Vertical image resolution To 8 pixel  General features  o non-reflective and tempered mineral glass screen Detachable from computer unit Do m  Backlighting Type of backlighting (at 25 °C) Do 000 h; At 25 °C Do 000 h; At 25 °C Detachable from computer unit Detachable from vertical D	Resolution (pixels)		
Vertical image resolution General features     • non-reflective and tempered mineral glass screen     • Detachable from computer unit Backlighting     • Type of backlighting     • Type of backlighting (at 25 °C)     • Backlight dimmable     • MTBF backlighting (at 25 °C)     • Backlight dimmable  Control elements  Control elements  Control elements  Touch operation     • Design as touch screen     • Design as multi-touch screen     • Monitor keyboard     • Monitor keyboard  Design  Support arm mounting  Front mounting  Front mounting  Stand mounting  Built-in unit     No  Built-in unit     No  Built-in unit     No  Support arm mounting  Tyes; Suitable for support arm without extension components  Stand mounting  No  Support arm mounting  Posign  Built-in unit     No  Built-in unit     No  Raximum permitted forward tilt angle from vertical     35°  maximum permitted backward tilt angle from vertical     35°  Supply voltage  Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  19.2 V  permissible range, upper limit (DC)  28.8 V	Image resolution	1 366 x 768	
enon-reflective and tempered mineral glass screen  • non-reflective and tempered mineral glass screen  • Detachable from computer unit  100 m  Backlighting  • Type of backlighting (at 25 °C) 50 000 h; At 25 °C  • Backlight dimmable Yes  Control elements  Control elements  Touch operation  • Design as touch screen Yes; Projective-capacitive  • 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  maximum permitted forward tilt angle from vertical 35°  maximum permitted backward tilt angle from vertical 35°  Supply voltage  Type of supply voltage  De missible range, lower limit (DC)  19.2 V  permissible range, upper limit (DC)  28.8 V	<ul> <li>Horizontal image resolution</li> </ul>	1 366 pixel	
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 multi-touch screen     Design as multi-touch screen     Monitor keyboard  Pesign  Built-in unit  No  Built-in unit  maximum permitted forward tilt angle from vertical  maximum permitted backward tilt angle from vertical  Type of supply voltage  Rated value (DC)  permissible range, upper limit (DC)  permissible range, upper limit (DC)  LED, dimmable  100 m  10	<ul> <li>Vertical image resolution</li> </ul>	768 pixel	
Design as routh touch screen  Design as multi-touch screen  Design as multi-touch screen  Monitor keyboard  Peron to mounting  Design  Support arm mounting  Support arm mounting  Built-in unit maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical maximum permitted backward tilt angle from vertical Rated value (DC) Permissible range, lower limit (DC)  Pos 0000 h; At 25°C  50 000 h; At 25°C  60 000	General features		
Backlighting  • Type of backlighting  • MTBF backlighting (at 25 °C)  • Backlight dimmable  Control elements  Control elements  Touch operation  • Design as touch screen  • Monitor keyboard  Installation type/mounting  Design  Support arm mounting  Support arm mounting  Support arm mounting  Stand mounting  Built-in unit  maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical maximum permitted backward tilt angle from vertical stand to C  Rated value (DC) permissible range, lower limit (DC)  permissible range, upper limit (DC)  50 000 h; At 25°C 50 000	<ul> <li>non-reflective and tempered mineral glass screen</li> </ul>	Yes	
Type of backlighting  MTBF backlighting (at 25 °C)  Backlight dimmable  Yes  Control elements  Control elements  Touch operation  Design as touch screen  Monitor keyboard  Support arm mounting  Front mounting  Stand mounting  Stand mounting  Built-in unit  maximum permitted forward tilt angle from vertical  maximum permitted backward tilt angle from vertical  Supply voltage  Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  Pess  Supont arm sunting (DC)  DC  Type of suppe, lower limit (DC)  Sun on h; At 25°C  Yes  50 000 h; At 25°C  Yes  Sunuti-touch screen  Yes  Frogetive-capacitive  Yes  Yes  Support arm mounting  No  Support arm mounting  No  Support arm mounting  No  Support arm without extension components  Stand mounting  No  DC  Rated value (DC)  19.2 V  permissible range, lower limit (DC)  28.8 V	<ul> <li>Detachable from computer unit</li> </ul>	100 m	
MTBF backlighting (at 25 °C)     Backlight dimmable     Yes  Control elements  Control elements  Touch operation     Design as touch screen     Yes; Projective-capacitive     Monitor keyboard  Design  Bulti-touch operation  Support arm mounting  Pront mounting  Support arm mounting  Stand mounting  Built-in unit  maximum permitted forward tilt angle from vertical  Type of supply voltage  Type of supply voltage  Type of suppe, lower limit (DC)  Permissible range, lower limit (DC)  Passible for support arm sum vithout extension components  DC  Rated value (DC)  permissible range, lower limit (DC)  Passible for support arm vithout extension components  DC  Rated value (DC)  Passible frange, lower limit (DC)  Passible range, upper limit (DC)	Backlighting		
Backlight dimmable  Control elements  Control elements  multi-touch screen  Touch operation  Design as touch 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 Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage  Type of supply voltage  Type of supply voltage  Rated value (DC) permissible range, lower limit (DC)  permissible range, upper limit (DC)  28.8 V	<ul> <li>Type of backlighting</li> </ul>	LED, dimmable	
Control elements  Control elements  Touch operation  Design as touch screen  Monitor keyboard  Pesign  Support arm mounting  Front mounting  Support arm mounting  Yes; Suitable for support arm without extension components  Stand mounting  No  Built-in unit  maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage  Type of supply voltage  Rated value (DC) permissible range, lower limit (DC)  permissible range, upper limit (DC)  28.8 V	<ul> <li>MTBF backlighting (at 25 °C)</li> </ul>	50 000 h; At 25°C	
Control elements  Touch operation  Design as touch screen Design as multi-touch screen Monitor keyboard  Design Design Design Support arm mounting  Front mounting Support arm mounting Yes; Projective-capacitive Yes  Installation type/mounting  Design Support arm mounting No Support arm mounting No Support arm mounting Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage  Type of supply voltage  Type of supply voltage  Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Permissible range, upper limit (DC)	<ul> <li>Backlight dimmable</li> </ul>	Yes	
Touch operation  Design as touch screen Design as multi-touch screen 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 Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Supply voltage Type of supply voltage  Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  Permissible range, upper limit (DC)  28.8 V	Control elements		
Design as touch screen Design as multi-touch screen Monitor keyboard  Support arm mounting  Pront mounting Support arm mounting Stand mounting  Built-in unit maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical Suppol supply voltage  Type of supply voltage  Rated value (DC) permissible range, lower limit (DC)  Design Support arm mounting Support arm mounting No No Support arm without extension components No No Support arm without extension components So Support arm without extension components No Do Do Do Rated value (DC) Permissible range, lower limit (DC)  19.2 V Permissible range, upper limit (DC)  28.8 V	Control elements	multi-touch screen	
<ul> <li>Design as multi-touch screen</li> <li>Monitor keyboard</li> <li>Yes</li> </ul> Installation type/mounting Design <ul> <li>Support arm mounting</li> <li>No</li> <li>Support arm mounting</li> <li>Yes; Suitable for support arm without extension components</li> </ul> Stand mounting <ul> <li>No</li> <li>Built-in unit</li> <li>maximum permitted forward tilt angle from vertical</li> <li>maximum permitted backward tilt angle from vertical</li> </ul> Supply voltage <ul> <li>Type of supply voltage</li> <li>Rated value (DC)</li> <li>permissible range, lower limit (DC)</li> <li>permissible range, upper limit (DC)</li> <li>28.8 V</li> </ul>	Touch operation		
Monitor keyboard     Installation type/mounting     Design     Support arm mounting     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     35°     maximum permitted backward tilt angle from vertical     35°     Supply voltage     Type of supply voltage     Rated value (DC)     permissible range, lower limit (DC)     19.2 ∨     permissible range, upper limit (DC)     28.8 ∨	<ul> <li>Design as touch screen</li> </ul>	Yes	
Design   Support arm mounting   No   Support arm without extension components   Stand mounting   No   No   Substituting   No   Substituting   No   Substituting   No   Substituting   No   Substituting   No   Substituting   Substit	<ul> <li>Design as multi-touch screen</li> </ul>	Yes; Projective-capacitive	
Design 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 35° Supply voltage Type of supply voltage DC Rated value (DC) permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 28.8 V	<ul> <li>Monitor keyboard</li> </ul>	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  Type of supply voltage  DC  Rated value (DC) permissible range, lower limit (DC)  permissible range, upper limit (DC)  28.8 V	Installation type/mounting		
Support arm mounting Stand mounting No Built-in unit No maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical 35° Supply voltage Type of supply voltage  Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) 28.8 V	Design	Support arm mounting	
Stand mounting  Built-in unit  No  maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical 35°  maximum permitted backward tilt angle from vertical 35°  Supply voltage  Type of supply voltage  Rated value (DC) 24 V  permissible range, lower limit (DC) 19.2 V  permissible range, upper limit (DC) 28.8 V	Front mounting	No	
Built-in unit  maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical 35°  Supply voltage  Type of supply voltage  Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) 28.8 V	Support arm mounting	Yes; Suitable for support arm without extension components	
maximum permitted forward tilt angle from vertical maximum permitted backward tilt angle from vertical  Supply voltage  Type of supply voltage  Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC)  28.8 V	Stand mounting	No	
maximum permitted backward tilt angle from vertical  Supply voltage  Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  28.8 V	Built-in unit	No	
Supply voltage Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  28.8 V	maximum permitted forward tilt angle from vertical	35°	
Type of supply voltage  Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  28.8 V	maximum permitted backward tilt angle from vertical	35°	
Rated value (DC)  permissible range, lower limit (DC)  permissible range, upper limit (DC)  24 V  19.2 V  28.8 V	Supply voltage		
permissible range, lower limit (DC)  permissible range, upper limit (DC)  28.8 V	Type of supply voltage	DC	
permissible range, upper limit (DC) 28.8 V	Rated value (DC)	24 V	
Provide a Constitution of the Constitution of	permissible range, lower limit (DC)	19.2 V	
Input current	permissible range, upper limit (DC)	28.8 V	
	Input current		

Current concumption (sated value)	1.4.0
Current consumption (rated value)	1.4 A
Starting current inrush I²t	0.5 A <sup>2</sup> ·s
Power Active reversional temp	24.W
Active power input, 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	4 000 NH W
Transmission rate, max.	1 000 Mbit/s
Protocols	
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
• SNMP	Yes
• DCP	Yes
LLDP     WED sharestaristics	Yes
WEB characteristics	Voc
• HTTP • HTTPS	Yes
HTTPS     HTML	Yes
	Yes; HTML5
• XML • CSS	Yes Yes
Active X	Yes No
Active X     JavaScript	Yes
Java VM	No
Protocols (terminal link)	INO
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 4 at the front     Enclosure Type 4x at the front	Yes
Enclosure Type 4x at the front     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	
Germanischer Lloyd (GL)	No
American Bureau of Shipping (ABS)	No
Bureau Veritas (BV)	No
Det Norske Veritas (DNV)	No
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Korean Register of Shipping (KRS)	No
<ul> <li>Lloyds Register of Shipping (LRS)</li> </ul>	No
<ul> <li>Nippon Kaiji Kyokai (Class NK)</li> </ul>	No
<ul> <li>Polski Rejestr Statkow (PRS)</li> </ul>	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	
<ul> <li>Vibration load in operation</li> </ul>	10 m/s²
Vibration load during transport/storage	10 m/s²
Shock testing	
<ul> <li>Shock load during operation</li> </ul>	150 m/s²
<ul> <li>shock acceleration during storage/transport</li> </ul>	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	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1
Enclosure material (front)	
Aluminum	Yes
Dimensions	
Width of the housing front	462 mm
Height of housing front	293 mm; Without basic adapter
Overall depth	101 mm; Without basic adapter
Weights	101 mm, without basic adapter
_	7.4 kg
Weight (without packaging)	7.4 kg
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