SIEMENS

Data sheet

SIMATIC ITC1500 V3, Industrial Thin Client, 15" widescreen TFT display, capacitive touch sensor, Supported protocols: RDP, VNC, SMARTSERVER HTML5 et. al., Standard Design, panel mount



Figure similar

General information	
Product type designation	ITC1500 V3
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	15.6 in; 15"
Display width	344.2 mm
Display height	193.5 mm
Number of colors	16 777 216
Resolution (pixels)	
 Image resolution 	1 366 x 768
 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 	LED, dimmable
 MTBF backlighting (at 25 °C) 	50 000 h; At 25°C
Backlight dimmable	Yes
Control elements	
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	
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	
Type of supply voltage	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
	19.2 V 28.8 V

Current consumption (rated value)	1.4 A
Starting current inrush I²t	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
Degree and class of protection	NO
IP (at the front)	IP65
· · · · · · · · · · · · · · · · · · ·	IP20
IP (rear) NEMA (front)	IF20
	Von
Enclosure Type 4 at the front Foreign Type 4 at the front	Yes Yes
Enclosure Type 4x at the front Enclosure Type 12 at the front	Yes
Enclosure Type 12 at the front Standards, approvals, contification	tes
Standards, approvals, certificates	
CE mark	V.
cULus	Yes
FM approval	Yes
DOM (C. L. O. TIOL)	Yes Yes
RCM (formerly C-TICK)	Yes Yes Yes
KC approval	Yes Yes Yes Yes
KC approval EAC (formerly Gost-R)	Yes Yes Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas	Yes Yes Yes Yes Yes Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2	Yes Yes Yes Yes Yes Yes Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22	Yes Yes Yes Yes Yes Yes Yes Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • CULus Class I Zone 2, Division 2	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 2, Division 2 • FM Class I Division 2	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • cULus Class I Zone 2, Division 2 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL)	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • 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)	Yes
KC approval EAC (formerly Gost-R) Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • 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)	Yes

	 Nippon Kaiji Kyokai (Class NK) 	No; Available soon
Chinese Classification Society (CCS) Ambient conditions Ambient temperature during operation Inin. 0 °C Inin. 0 °C Inin. 20 °C Inin. 30 °C Relative humidity Inin. 20 °C Inin. 30 °C Relative humidity Inin. 30 °C Relative humidity Inin. 40 °C Inin. 30		No
Ambient temperature during operation imin. imax. 50 °C Ambient temperature during storage/transportation imin. imax. 60 °C Relative humidity Operation, max. 90 %; no condensation Vibrations Vibration load in operation Vibration load during transport/storage 10 m/s² Shock lesting Shock lesting Shock load during operation shock acceleration during storage/transport Shock load during operation shock acceleration during storage/transport Yes browser Veb browser Yes; HTML5, CSS PDF reader Configuration / header Storages Online languages Number of online/runtime languages Sigerman / english Peripherats/Options USB memory Yes; USB storage medium can be connected Mechanics/material Enclosure material (front) Aluminum Yes Dimensions Width of the housing front Height of housing front Mounting cutout, width 382 mm Mounting cutout, width Mounting cutout, leight Overall depth Weights		No
• min. • max. *max. *max. *mblent temperature during storage/transportation • min. • max. • 60 °C *Relative humidity • Operation, max. • Vibration sad uring transport/storage • Vibration load in operation • Vibration load during transport/storage • Nock load during operation • Shock bad during operation • Shock load during operation • Shock acceleration during storage/transport **Shock load during operation • Shock acceleration during storage/transport **Shock load during operation • Shock acceleration during storage/transport **Software** Web browser Ves; HTML5, CSS **PDF reader Configuration / header Configuration / header Configuration / header Configuration / Peader • Remote • Remote Languages Online languages • Number of online/runtime languages • Number of online/runtime languages • Number of online/runtime languages • Number of miline/runtime languag	Ambient conditions	
e max. 50 °C Ambient temperature during storage/transportation • min.	Ambient temperature during operation	
Ambient temperature during storage/transportation • min.	• min.	0 °C
• min.	• max.	50 °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/s² Shock leating ● Shock load during operation 150 m/s² ● Shock acceleration during storage/transport 150 m/s² Software Yes Web browser Yes, HTML5, CSS PDF reader Yes configuration / header Yes Online languages Yes (Via web page Languages Number of online/runtime languages • Number of online/runtime languages 3; german / english Paripherals/Options Yes, USB storage medium can be connected Macchanics/matorial Enclosure material (front) • Aluminum Yes Dimensions Width of the housing front 398 mm Height of housing front 257 mm	Ambient temperature during storage/transportation	
Relative humidity Operation, max. Operation, max. 90 %; no condensation Vibration load in operation Vibration load in operation Vibration load during transport/storage 10 m/s² Shock testing Shock lesting Shock acceleration during storage/transport 150 m/s² Software Web browser Yes; HTML5, CSS PDF reader Configuration / header Configuration / header Configuration / header Configuration / Peader Ves; Via web page Languages Online languages Number of online/runtime languages Number of online/runtime languages Yes; USB storage medium can be connected Mechanics/material Enclosure material (front) Aluminum Yes Dimensions Width of the housing front Mounting cutout, width Mounting cutout, height Overall depth 73 mm Weights	• min.	-20 °C
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Vibrations • Vibration load in operation • Vibration load during transport/storage • Vibration load during transport/storage • Shock lesting • Shock load during operation • Shock acceleration during storage/transport • Shock acceleration during storage/transport Software Web browser PDF reader Configuration / header Configuration / header Configuration / exemption / yes • Remote Lucal • Remote • Yes; Via web page Languages Online languages • Number of online/runtime languages • Number of online/runtime languages Sygeman / 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 Height of housing front Mounting cutout, width Mounting cutout, width Mounting cutout, width Mounting cutout, height Overall depth 73 mm Weights	Relative humidity	
Vibration load in operation Vibration load during transport/storage Shock testing Shock load during operation Shock load during operation Shock acceleration during storage/transport Software Web browser Web browser Yes; HTML5, CSS PDF reader Configuration / header Configuration Local Yes Remote Languages Online languages Number of online/runtime languages Software USB memory Wes; USB storage medium can be connected Mechanics/material Enclosure material (front) Aluminum Yes Dimensions Width of the housing front Mounting cutout, width Mounting cutout, width Mounting cutout, width Mounting cutout, height Overall depth Verall depth Vision Note 150 m/s² 150 m/	Operation, max.	90 %; no condensation
Vibration load during transport/storage Shock testing Shock load during operation Shock acceleration during storage/transport Software Web browser Web browser Yes; HTML5, CSS PDF reader Configuration / header Configuration Local Remote Languages Online languages Number of online/runtime languages Submemory Wes; USB storage medium can be connected Mechanics/material Enclosure material (front) Aluminum Yes Dimensions Width of the housing front Mounting cutout, width Mounting cutout, width Overall depth Weights 150 m/s² 150 m/s² 150 m/s² Software Yes; HTML5, CSS Yes Yes Yes Yes Yes Yes Yes Yes Yes Ye	Vibrations	
Shock testing Shock load during operation Shock acceleration during storage/transport Software Web browser Yes; HTML5, CSS PDF reader Yes configuration / header Configuration / e. Local Remote Languages Online languages Number of online/runtime languages Number of online/runtime languages Number of online/runtime languages Yes; USB storage medium can be connected Mechanics/material Enclosure material (front) Aluminum Yes Dimensions Width of the housing front Mounting cutout, width Mounting cutout, height Overall depth Yesis; HTML5, CSS Yes Yes; USB storage medium can be connected ### Augustion	 Vibration load in operation 	10 m/s ²
Shock load during operation shock acceleration during storage/transport 150 m/s² Software Web browser Yes; HTML5, CSS PDF reader Configuration / header Configuration Local Remote Yes; Via web page Languages Online languages Number of online/runtime languages USB memory Yes; USB storage medium can be connected Mechanics/material Enclosure material (front) Aluminum Yes Dimensions Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, width Aluminum Overall depth 73 mm Weights	Vibration load during transport/storage	10 m/s ²
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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 3; 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 398 mm Height of housing front 257 mm Mounting cutout, width 382 mm Mounting cutout, width 382 mm Mounting cutout, height 241 mm Overall depth 73 mm Weights	 Shock load during operation 	150 m/s ²
Web browser Yes; HTML5, CSS PDF reader Yes configuration / header Configuration	 shock acceleration during storage/transport 	150 m/s ²
PDF reader configuration / header Configuration Local Remote Yes; Via web page Languages Online languages Number of online/runtime languages Number of online/runtime languages Yes; USB storage medium can be connected Mechanics/material Enclosure material (front) Aluminum Yes Dimensions Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height Overall depth Ves Weights	Software	
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Online languages • Number of online/runtime languages Peripherals/Options USB memory Yes; USB storage medium can be connected Mechanics/material Enclosure material (front) • Aluminum Yes Dimensions Width of the housing front Height of housing front Mounting cutout, width Mounting cutout, height Overall depth 73 mm Weights	Remote	Yes; Via web page
Number of online/runtime languages Peripherals/Options USB memory Yes; USB storage medium can be connected Mechanics/material Enclosure material (front)	Languages	
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Dimensions Width of the housing front 398 mm Height of housing front 257 mm Mounting cutout, width 382 mm Mounting cutout, height 241 mm Overall depth 73 mm Weights	Enclosure material (front)	
Width of the housing front 398 mm Height of housing front 257 mm Mounting cutout, width 382 mm Mounting cutout, height 241 mm Overall depth 73 mm Weights	Aluminum	Yes
Height of housing front 257 mm Mounting cutout, width 382 mm Mounting cutout, height 241 mm Overall depth 73 mm Weights	Dimensions	
Mounting cutout, width Mounting cutout, height Overall depth 73 mm Weights	Width of the housing front	398 mm
Mounting cutout, height 241 mm Overall depth 73 mm Weights	Height of housing front	257 mm
Overall depth 73 mm Weights	Mounting cutout, width	382 mm
Weights	Mounting cutout, height	241 mm
		73 mm
Weight (without packaging) 5 kg	Weights	
	Weight (without packaging)	5 kg

last modified: 1/16/2021 **C**