6AV6646-1BC18-0AA0

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

General information	<u></u>
Product type designation	ITC1900 V3 PRO
Display	
Design of display	TFT widescreen display, LED backlighting
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 	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	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°
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
permissible range, upper limit (DC)	28.8 V
Input current	
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) Pursau Varitae (DV)	No No
Bureau Veritas (BV) Dot Norska Veritas (DNV)	No No
 Det Norske Veritas (DNV) 	No

Variation of Objection (VDO)	N-
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.	0°C
Relative humidity	
Operation, max.	90 %; no condensation
Vibrations	
 Vibration load in operation 	10 m/s ²
Vibration load during transport/storage	10 m/s²
Shock testing	
 Shock load during operation 	150 m/s²
 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	462 mm
Height of housing front	293 mm; Without basic adapter
Overall depth	101 mm; Without basic adapter
Weights	
Weight (without packaging)	7.4 kg
(• • • • •

last modified: 12/15/2022 🖸