SIEMENS

Data sheet

SIMATIC ITC 1900, Industrial Thin Client, 19" widescreen TFT display, Touch operation, Supported protocols: RDP, VNC, SMARTSERVER, Web

6AV6646-1AC22-0AX0



Product type designation Display Design of display Screen diagonal Screen diagonal Display width August and Au	General information	
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 • Vertical image resolution • Detachable from computer unit Backlighting • Type of backlighting • Type of backlighting • Backlight dimmable • Single-touch screen • Design as touch screen • Monitor keyboard • Yes Installation type/mounting Design Built-in unit Front mounting Support arm mounting No Stand mounting No Stand mounting No Support arm sounting Derend Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible	Product type designation	ITC1900
Screen diagonal 18.5 in; 19"	Display	
Display width 20 409.8 mm 20 20.4 mm 2	Design of display	TFT widescreen display, LED backlighting
Display height	Screen diagonal	18.5 in; 19"
Number of colors Resolution (pixels) Image resolution Image resolution Vertical image resolution Vertical image resolution Vertical image resolution Image re	Display width	409.8 mm
Resolution (pixels) • Image resolution • Horizontal image resolution • Vertical image resolution • Vertical image resolution 768 pixel General features • Detachable from computer unit Backlighting • Type of backlighting • Backlight dimmable • Backlight dimmab	Display height	230.4 mm
 Image resolution Horizontal image resolution 1 366 pixel Vertical image resolution 768 pixel General features Detachable from computer unit 100 m Backlighting Type of backlighting Backlight dimmable Pascification Control elements Single-touch screen Touch operation Pesign as touch screen Yes Monitor keyboard Prot mounting Support arm mounting Stand mounting No Stand mounting No Built-in unit Yes Support arm mounting No Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) permissible current inrush Pt 0.5 A²-s Interfaces Number of industrial Ethernet interfaces 1 	Number of colors	16 777 216
Horizontal image resolution Vertical image resolution Detachable from computer unit Backlighting Type of backlighting Backlight dimmable Test; 5-100 % Control elements Control elements Single-touch screen Monitor keyboard Pes Installation type/mounting Design Sudd muniting No Support arm mounting Sulti-in unit Yes Support arm mounting Poes (Supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Place (Supply voltage) Number of industrial Ethernet interfaces Number of industrial Ethernet interfaces 1 1	Resolution (pixels)	
● Vertical image resolution General features ● Detachable from computer unit Backlighting ● Type of backlighting ● Backlight dimmable Packlight dimmable Econtrol elements Control elements Touch operation ● Design as touch screen Posign Prot mounting Pes Support arm mounting Stand mounting Built-in unit Prof supply voltage Rated value (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Insular range in personal	 Image resolution 	1 366 x 768
Oeneral features Oetachable from computer unit Backlighting Type of backlighting Backlight dimmable Pes; 5-100 % Control elements Control elements Design as touch screen Monitor keyboard Pesign Built-in unit Front mounting Support arm mounting No Stand mounting Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Interfaces Number of industrial Ethernet interfaces I 190 (Mirmable LED, dimmable LED, dimmable LED, dimmable LED, dimmable LED, dimmable LED, dimmable Yes; 5-100 % Pes Single-touch screen Yes Single-touch screen Yes Built-in unit Pes Support arm mounting No DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) 13. A Starting current inrush Pt 0.5 A²-s Interfaces Number of industrial Ethernet interfaces	 Horizontal image resolution 	1 366 pixel
Design as touch screen Front mounting Support arm mounting Support arm mounting Stand mounting Support arm mounting Support arm sounting Support voltage Type of supply voltage Rated value (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Stand mounting, max. Starting current inrush i²t LED, dimmable LED, dimmable LED, dimmable LED, dimmable LED, dimmable Yes; 5-100 % Built-in white Yes Supple-touch screen Yes Wes Suple-touch screen Yes Suple-touch screen Yes Suple-touch screen Yes Suple-touch screen Yes Suilt-in unit Yes Suple-touch screen Yes Suilt-in unit Yes Supply voltage Type of 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 Input current Current consumption, max. Starting current inrush i²t 0.5 A²-s Interfaces Number of industrial Ethernet interfaces 1	 Vertical image resolution 	768 pixel
Backlighting Type of backlighting Backlight dimmable Backlight dimmable Backlight dimmable Backlight dimmable Econtrol elements Control elements Single-touch screen Touch operation Design as touch screen Built-in unit Front mounting Built-in unit Front mounting No Stand mounting No Built-in unit Yes Support arm mounting No Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Duter toursumption, max. Starting current inrush l²t Interfaces Number of industrial Ethernet interfaces 1	General features	
■ Type of backlighting ■ Backlight dimmable Yes; 5-100 % Control elements Control elements Touch operation ● Design as touch screen Yes ■ Monitor keyboard Installation type/mounting Design Built-in unit Front mounting Yes Support arm mounting No Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) 19.2 V permit current Current consumption, max. Starting current inrush l²t Interfaces Number of industrial Ethernet interfaces 1	Detachable from computer unit	100 m
Backlight dimmable Control elements Control elements Single-touch screen Touch operation Design as touch screen Monitor keyboard Enstallation type/mounting Design Built-in unit Front mounting No Stand mounting No Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 1	Backlighting	
Control elements Control elements Single-touch screen Touch operation Design as touch screen Yes Monitor keyboard Yes Installation type/mounting Design Built-in unit Front mounting No Stand mounting No Built-in unit Yes Support arm mounting No Built-in unit Yes Supply voltage Type of supply voltage Type of supply voltage Rated value (DC) Permissible range, lower limit (DC) Permissible range, upper limit (DC) 19.2 V Permissible range, upper limit (DC) 19.2 V Input current Current consumption, max. Starting current inrush I²t 0.5 A²-s Interfaces Number of industrial Ethernet interfaces 1	 Type of backlighting 	LED, dimmable
Control elements Touch operation Design as touch screen Monitor keyboard Pes Installation type/mounting Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) permissible range upper limit (DC) Input current Current consumption, max. Starting current inrush l²t Interfaces Number of industrial Ethernet interfaces 1	 Backlight dimmable 	Yes; 5-100 %
Touch operation Design as touch screen Monitor keyboard Yes Installation type/mounting Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes Supply voltage Type of supply voltage Type of supply v	Control elements	
	Control elements	single-touch screen
● Monitor keyboard Installation type/mounting Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) 19.2 V permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush l²t 0.5 A²-s Interfaces Number of industrial Ethernet interfaces 1	Touch operation	
Design	 Design as touch screen 	Yes
Design Built-in unit Front mounting Yes Support arm mounting No Stand mounting No Built-in unit Yes 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, max. 1.3 A Starting current inrush I²t 0.5 A²-s Interfaces Number of industrial Ethernet interfaces 1	 Monitor keyboard 	Yes
Front mounting Support arm mounting No Stand mounting No Built-in unit Yes 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) Input current Current consumption, max. Starting current inrush I²t 1.3 A Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 1	Installation type/mounting	
Support arm mounting Stand mounting No Built-in unit Yes 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 Input current Current consumption, max. Starting current inrush I²t 1.3 A Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 1	Design	Built-in unit
Stand mounting Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 1	Front mounting	Yes
Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush l²t Interfaces Number of industrial Ethernet interfaces 1	Support arm mounting	No
Type of supply voltage Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces DC 19.2 V 28.8 V 19.2 V 28.8 V 10.5 A²-s 1.3 A	Stand mounting	No
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 Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 1	Built-in unit	Yes
Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 24 V 19.2 V 28.8 V 10.5 A²-s 1.3 A 1.3 A 1.3 A 1.4 A 1.5 A²-s 1.5 A²-s 1.5 A²-s 1.5 A²-s 1.5 A²-s 1.5 A²-s	Supply voltage	
permissible range, lower limit (DC) permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 19.2 V 28.8 V 10.5 A²-s 1.3 A 0.5 A²-s 1.3 A	Type of supply voltage	DC
permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 1 28.8 V 1.3 A 0.5 A²·s Interfaces 1	Rated value (DC)	24 V
Input current Current consumption, max. Starting current inrush I²t Interfaces Number of industrial Ethernet interfaces 1.3 A 0.5 A²-s Interfaces 1	permissible range, lower limit (DC)	19.2 V
Current consumption, max. Starting current inrush I²t 0.5 A²·s Interfaces Number of industrial Ethernet interfaces 1	permissible range, upper limit (DC)	28.8 V
Starting current inrush I²t 0.5 A²·s Interfaces Number of industrial Ethernet interfaces 1	Input current	
Interfaces Number of industrial Ethernet interfaces 1	Current consumption, max.	1.3 A
Number of industrial Ethernet interfaces 1	Starting current inrush I²t	0.5 A²·s
	Interfaces	
Number of USB interfaces 2; on rear	Number of industrial Ethernet interfaces	1
	Number of USB interfaces	2; on rear

LIOD	
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
	INO
Degree and class of protection	IDO
IP (at the front)	IP65
IP (rear)	IP20
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	
• cULus Class I Zone 1	No
• cULus Class I Zone 2, Division 2	Yes; Available soon
FM Class I Division 2	Yes; Available soon
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Ambient temperature during storage/transportation	40 0
	-20 °C
• min.	
max. Polative humidity	60 °C
Relative humidity	00.0/
Operation, max.	90 %
Software	
Web browser	Yes
PDF reader	Yes
configuration / header	
Configuration	
• Local	Yes
Remote	Yes; With Remote Configuration Center (RCC) as of V2.0
Languages	
Online languages	
Number of online/runtime languages	2; german / english
	2, gorman / onglion
Peripherals/Options	V 110D ()
USB memory	Yes; USB storage medium can be connected
Mechanics/material	
Enclosure material (front)	
Aluminum	Yes

Dimensions		
Width of the housing front	483 mm	
Height of housing front	337 mm	
Mounting cutout, width	465 mm	
Mounting cutout, height	319 mm	
Overall depth	75 mm	
Weights		
Weight (without packaging)	6.5 kg	
Weight (with packaging)	7.1 kg	

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