Data sheet

SIEMENS

SIMATIC ITC 2200, Industrial Thin Client, 22" widescreen TFT display, Touch operation, Supported protocols: RDP, VNC, SMARTSERVER, Web

6AV6646-1AD22-0AX0



Product type designation Display Design of display Screen diagonal Display width Ass. 6 mm Display height 292.2 mm Number of colors Resolution (pixels) Inage resolution Vertical image resolution Vertical image resolution Vertical image resolution Description Obetachable from computer unit Luminance Detachable from computer unit Luminance Backlighting Type of backlighting (at 25 °C) Backlight dimmable Type of backlighting (at 25 °C) Backlight dimmable Touch operation Obetachable from computer unit Design as touch screen Monitor keyboard Yes Monitor keyboard Yes Support arm mounting Stand mounting No Stand mounting No Stand mounting No Support arm pounting Design 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) Pater Interfaces	General information		
Design of display	Product type designation	ITC2200	
Screen diagonal 21.5 in; 22"	Display		
Display width 295.6 mm Display height 292.2 mm Number of colors 16 777 216 Resolution (pixels)	Design of display	TFT widescreen display, LED backlighting	
Display height 292.2 mm	Screen diagonal	21.5 in; 22"	
Number of colors 16 777 216	Display width	495.6 mm	
Resolution (pixels) • Image resolution • Horizontal image resolution • Vertical image resolution • Vertical image resolution 1 080 pixel General features • Detachable from computer unit • Luminance 250 cd/m² Backlighting • Type of backlighting (at 25 °C) • Backlight dimmable • MTBF backlighting (at 25 °C) • Backlight dimmable **Control elements Control elements Touch operation • Design as touch screen • Monitor keyboard • Monitor keyboard Trouch operation Person mounting Design Built-in unit Front mounting Support arm mounting No Stand mounting No Sund mounting Built-in unit Yes Supply voltage Type of supply voltage Rated value (DC) permissible range, upper limit (DC) Input current Current consumption, max. 2.2 A Starting current inrush I ² t Obsides Control elements 1 920 x 1 080 1 920 v 1 920 v 1 920 v 1920 v 19	Display height	292.2 mm	
	Number of colors	16 777 216	
Horizontal image resolution Vertical image resolution 1 920 pixel 1 080 pixel General features □ Detachable from computer unit □ Luminance 250 cd/m² Backlighting ■ Type of backlighting ■ MTBF backlighting (at 25 °C) □ Backlight dimmable ▼es; 5-100 % Control elements Control elements Touch operation □ Design as touch screen ● Monitor keyboard Pess Installation type/mounting Design Built-in unit Front mounting No Stand 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) Current consumption, max. 2.2 A Starting current inrush I²t O.5 A²-s 100 m L00 m L00 m According LED, dimmable LED, dimmable 100 m According Acco	Resolution (pixels)		
Vertical image resolution General features	 Image resolution 	1 920 x 1 080	
e Detachable from computer unit ● Luminance Backlighting ● Type of backlighting ● MTBF backlighting (at 25 °C) ● Backlight dimmable Yes; 5-100 % Control elements Control elements Touch operation ● Design as touch screen ● Monitor keyboard Installation type/mounting Design Support arm mounting Stand 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)	 Horizontal image resolution 	1 920 pixel	
Description Descr	 Vertical image resolution 	1 080 pixel	
■ Luminance 250 cd/m² Backlighting ■ Type of backlighting (at 25 °C) 30 000 h; At 25 °C ■ Backlight dimmable Yes; 5-100 % 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 Yes Support arm mounting No Built-in unit Yes 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. 2.2 A Starting current inrush 1²t LED, dimmable LED, dimmable LED, dimmable LED, dimmable Built-in unit Yes Support arm mounting No DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V Input current Current consumption, max. 2.2 A Starting current inrush 1²t O.5 A²-s	General features		
Backlighting • Type of backlighting • MTBF backlighting (at 25 °C) • Backlight dimmable Yes; 5-100 % Control elements Control elements Touch operation • Design as touch screen • Monitor keyboard Pesign Built-in unit Front mounting Stand mounting 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) Input current Current consumption, max. Su 0000 r; At 25°C 30 000 r; At 25°C Yes; 5-100 % Built-in victoreen Yes Supple-touch screen Yes Suigle-touch screen Yes Suigle-touch screen Yes Suigle-touch screen Yes Suit-in unit Yes Supply voltage Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V Input current Current consumption, max. 2.2 A Starting current inrush I²t 0.5 A²-s	Detachable from computer unit	100 m	
Type of backlighting MTBF backlighting (at 25 °C) Backlight dimmable Yes; 5-100 % Control elements Control elements Single-touch screen Pesign as touch screen Front mounting Support arm mounting Stand mounting Built-in unit Yes Support 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) permissible range, upper limit (DC) Input current Current consumption, max. Say 000 h; At 25°C 30 000 h; At 25°C Yes Single-touch screen Yes Single-touch screen Yes Suple-touch screen Yes Suplit-in unit Yes Suplit-in unit Yes Supply voltage DC Rated value (DC) permissible range, lower limit (DC) permissible range, upper limit (DC) According to the force of the consumption, max. Starting current inrush I²t O.5 A²-s	Luminance	250 cd/m ²	
MTBF backlighting (at 25 °C) Backlight dimmable Yes; 5-100 % Control elements Control elements Single-touch screen Touch operation Design as touch screen Yes Monitor keyboard Pesign 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. Supply coltage Current inrush I²t Outside At 25°C	Backlighting		
Backlight dimmable Control elements Control elements Single-touch screen Touch operation Design as touch screen Yes Monitor keyboard Enstallation 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) Input current Current consumption, max. Starting current inrush l²t O.5 A²-s Signey Single-touch screen Yes Suple-touch screen Yes Suigle-touch screen Yes Suigle-touch screen Yes Suigle-touch screen Yes Suigle-touch screen Yes Design Pyes Suit-in unit Pyes Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 28.8 V Input current Current consumption, max. 2.2 A Starting current inrush l²t 0.5 A²-s	 Type of backlighting 	LED, dimmable	
Control elements Control elements Single-touch screen Touch operation Design as touch screen Monitor keyboard Pesign Built-in unit Front mounting 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) Input current Current consumption, max. Starting current inrush 12t Single-touch screen Yes Suple-touch screen Yes Built-in unit Pes Built-in unit Yes Supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 19.2 V permissible range, upper limit (DC) Input current Current consumption, max. 2.2 A Starting current inrush 12t 0.5 A ² -s	 MTBF backlighting (at 25 °C) 	30 000 h; At 25°C	
Control elements Touch operation ● Design as touch screen ● Monitor keyboard Pesign Built-in unit Front mounting Support arm mounting Built-in unit Yes Support 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 Yes Single-touch screen Yes Yes Built-in unit Yes Built-in unit Yes Support arm mounting No DC Rated value (DC) 19.2 V permissible range, lower limit (DC) 19.2 V Input current Current consumption, max. 2.2 A Starting current inrush l²t 0.5 A²-s	 Backlight dimmable 	Yes; 5-100 %	
Touch operation Design as touch screen Monitor keyboard Pesign 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) Input current Current consumption, max. Starting current inrush 12t Yes Yes Supply voltage DC Rated value (DC) 19.2 V 19.2 V 10.5 A2-s	Control elements		
Design as touch screen Monitor keyboard Pesign Built-in unit Front mounting 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) Input current Current consumption, max. Starting current inrush I²t Duittle yes Suilt-in unit Yes DC 24 V permissible range, upper limit (DC) 28.8 V Input current Current consumption, max. 2.2 A Starting current inrush I²t O.5 A²-s	Control elements	single-touch screen	
Monitor keyboard Yes Installation type/mounting Design Built-in unit Front mounting Yes Support arm mounting No 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 l²t O.5 A²-s	Touch operation		
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 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 l²t O.5 A²-s	 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. 2.2 A Starting current inrush I²t 0.5 A²-s	Monitor keyboard	Yes	
Front mounting 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) 28.8 V Input current Current consumption, max. 2.2 A Starting current inrush l²t 0.5 A²-s	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) Input current Current consumption, max. Starting current inrush l²t No No No No No No No No 19.2 24 24 24 24 24 25 26 27 28.8 V Input current Current consumption, max. 2.2 A Starting current inrush l²t 0.5 A²-s	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) Input current Current consumption, max. Starting current inrush I²t No Yes DC 19.2 V 24 V 19.2 V 28.8 V Input current Current consumption, max. 2.2 A 0.5 A²-s	Front mounting	Yes	
Built-in unit 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 Yes DC 19.2 V 24. V 28.8 V 19.2 V 28.8 V 10.5 A²-s	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 DC 19.2 V 28.8 V Input current 0.5 A²-s	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) Input current Current consumption, max. Starting current inrush I²t DC 24 V 29.8 V 19.2 V 28.8 V 10.5 A²·s	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 24 V 19.2 V 28.8 V Input current 0.5 A²-s	Supply voltage		
permissible range, lower limit (DC) permissible range, upper limit (DC) 28.8 V Input current Current consumption, max. Starting current inrush I²t 19.2 V 28.8 V 10.5 A²-s	Type of supply voltage	DC	
permissible range, upper limit (DC) Input current Current consumption, max. Starting current inrush I²t 28.8 V 20.5 A²-s	Rated value (DC)	24 V	
Input current Current consumption, max. Starting current inrush I²t 2.2 A 0.5 A²·s	permissible range, lower limit (DC)	19.2 V	
Current consumption, max. Starting current inrush I²t 2.2 A 0.5 A²·s	permissible range, upper limit (DC)	28.8 V	
Starting current inrush I²t 0.5 A²·s	Input current		
	Current consumption, max.	2.2 A	
Interfaces	Starting current inrush I²t	0.5 A ² ·s	
	Interfaces		

Number of industrial Ethernet interfaces	1
Number of USB interfaces	2; 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	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	11 20
Enclosure Type 4 at the front	Yes
	165
Standards, approvals, certificates CE mark	Vac
	Yes
CULus	Yes
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	N.
• 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
• 11m1.	
• max.	45 °C
	45 °C
• max.	45 °C -20 °C
max. Ambient temperature during storage/transportation	45 °C
 max. Ambient temperature during storage/transportation min. 	45 °C -20 °C
 max. Ambient temperature during storage/transportation min. max. 	45 °C -20 °C
 max. Ambient temperature during storage/transportation min. max. Relative humidity 	45 °C -20 °C 60 °C
 max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. 	45 °C -20 °C 60 °C
 max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software 	45 °C -20 °C 60 °C 90 %
max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software Web browser PDF reader	45 °C -20 °C 60 °C 90 % Yes
max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software Web browser PDF reader configuration / header	45 °C -20 °C 60 °C 90 % Yes
 max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software Web browser PDF reader configuration / header Configuration 	45 °C -20 °C 60 °C 90 % Yes Yes
max. Ambient temperature during storage/transportation • min. • max. Relative humidity • Operation, max. Software Web browser PDF reader configuration / header Configuration • Local	45 °C -20 °C 60 °C 90 % Yes Yes
 max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software Web browser PDF reader configuration / header Configuration Local Remote 	45 °C -20 °C 60 °C 90 % Yes Yes
 max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software Web browser PDF reader configuration / header Configuration Local Remote Languages 	45 °C -20 °C 60 °C 90 % Yes Yes
 max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software Web browser PDF reader configuration / header Configuration Local Remote Languages Online languages 	45 °C -20 °C 60 °C 90 % Yes Yes Yes Yes Yes Yes; With Remote Configuration Center (RCC) as of V2.0
 max. Ambient temperature during storage/transportation min. max. Relative humidity Operation, max. Software Web browser PDF reader configuration / header Configuration Local Remote Languages 	45 °C -20 °C 60 °C 90 % Yes Yes

USB memory	Yes; USB storage medium can be connected
Mechanics/material	
Enclosure material (front)	
Aluminum	Yes
Dimensions	
Width of the housing front	560 mm
Height of housing front	380 mm
Mounting cutout, width	542 mm
Mounting cutout, height	362 mm
Overall depth	75 mm
Weights	
Weight (without packaging)	7.1 kg
Weight (with packaging)	7.8 kg

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