SIEMENS

Data sheet

6AV2145-6KM00-0AA0



SIMATIC HMI IWP10F Mobile WebClient, 10.0" TFT display, 1280x800 pixels, 16 million colors, multi-touch, 7 function keys, handwheel, PROFINET/Industrial Ethernet interface, USB, acknowledgment button, emergency stop button

Figure similar

Control minimum diamonic Product type designation IVP 10F Mobile WebClient Design of display Screen disgonal 10 in Color display Yes Resolution (pixels) • Horizontal image resolution 1280 pixel Backlighting • MTBF backlighting (at 25 °C) • MTBF backlighting (at 25 °C) • Momber of function keys Yes; Ontorean (at provide (a	General information	
Display 10* TFT multi-touch Screen diagonal 10 in Color display Yes Resolution (pixels) 1280 pixel • Horizontal image resolution 1280 pixel • Wartical image resolution 800 pixel Backlighting 50 000 h; At 25*C • Backlight dimmable Yes; 0-100 % Control elements 7 • Function keys 7 • Number of function keys 7 • Sup button (forced blocking) Yes; Onscreen keyboard • Design as butch screen Yes; Projective-capacitive Stop button (flucted blocking) Yes • Stop button (flucted blocking) Yes • Acknowledgement button (3-stage) Yes • Handwhel DC Type of supply voltage DC Rated value (DC) </td <td></td> <td>IMP10E Mobile MobClient</td>		IMP10E Mobile MobClient
Design of display 10" TFT multi-touch Screen diagonal 10 in Color display Yes Resolution (pixels) 1280 pixel • Horizontal image resolution 1280 pixel • Vertical image resolution 1280 pixel • Vertical image resolution 800 pixel Backlighting ************************************		
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Color display Yes Resolution (pixels) 1280 pixel • Horizontal image resolution 800 pixel Backlighting 600 h; At 25°C • Backlight dimmable Yes; 0-100 % Control selements Yes • Function keys Yes; 0-100 % Control selements Yes; 0-100 % Number of function keys 7 • Design as touch screen Yes; Onscreen keyboard • Design as nutli-louch screen Yes; Projective-capacitive • Design as multi-louch screen Yes; Projective-capacitive • Stop button (forced blocking) Yes • Emergency stop button (liuminated and forced blocking) Yes • Handwheel Yes Stop button (liuminated and forced blocking) Yes • Handwheel DC Stop button (liuminated and forced blocking) Yes • Handwheel 20.4 V permissible range, uper		
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• Horizontal image resolution 1 280 pixel • Vertical image resolution 800 pixel Backlighting • • MTBF backlighting (at 25 °C) 50 000 h; At 25 °C • Backlight dimmable Yes; 0-100 % Control elements • Keyboard fonts • • Function keys Yes • Function keys 7 • Number of function keys with LEDs 7 • Design as nult-louch screen Yes; Onscreen keyboard • Design as nult-louch screen Yes; Projective-capacitive Special operator controls Yes • Emergency stop button (ifluminated and forced blocking) Yes • Landwheel Yes • Handwheel Yes • Supply voltage DC Rated value (DC) 24 V permissible range, upper limit (DC) 0.98 A Poweer Active power input		
• Vertical image resolution 800 pixel Backlighting Figure 100 % • MTBF backlighting (at 25 °C) 50 000 h; At 25°C • Backlight dimmable Yes; 0-100 % Control elements Figure 100 % Keyboard fonts Yes • Function keys 7 • Number of function keys 7 • Number of function keys with LEDs 7 • Numeric keyboard Yes; Onscreen keyboard • alphanumeric keyboard Yes; Onscreen keyboard • Design as null-touch screen Yes; Projective-capacitive • Design as null-touch screen Yes • Stop button (forced blocking) Yes • Emergency stop button (illiminated and forced blocking) Yes • Acknowledgement button (3-stage) Yes • Handwheel Yes • Stop button (forced blocking) Yes • Proversult 20 4 V permissible range, lower limit (DC) 24 V permissible range, upper limit (DC) 28 A Power 24 W Provessor type Inel Atom E3330, 800 MHz, 2 cores		1 280 nivel
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Handwheel Yes Supply voltage DC Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 20.4 V permissible range, upper limit (DC) 28.8 V Input current 0.98 A Power Active power input, typ. Active power input, typ. 24 W Processor type Intel Atom E3930, 800 MHz, 2 cores	• Emergency stop button (illuminated and forced blocking)	Yes
Supply voltage DC Type of supply voltage DC Rated value (DC) 24 V permissible range, lower limit (DC) 20.4 V permissible range, upper limit (DC) 28.8 V Input current 0.98 A Power Active power input, typ. Active power input, typ. 24 W Processor Intel Atom E3930, 800 MHz, 2 cores	 Acknowledgement button (3-stage) 	Yes
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Input current Current consumption (rated value) 0.98 A Power Active power input, typ. 24 W Processor Processor type Intel Atom E3930, 800 MHz, 2 cores	permissible range, lower limit (DC)	20.4 V
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Processor Intel Atom E3930, 800 MHz, 2 cores	Power	
Processor type Intel Atom E3930, 800 MHz, 2 cores	Active power input, typ.	24 W
	Processor	
Memory	Processor type	Intel Atom E3930, 800 MHz, 2 cores
	Memory	

Flash	Yes
RAM	Yes
	165
Time of day	
Clock	
• synchronizable	Yes
Interfaces	
Number of industrial Ethernet interfaces	1
Number of USB interfaces	1
Number of wireless interfaces	0
Number of SD card slots	0
Protocols	
PROFINET	Yes
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
Protocols (Ethernet)	
• TCP/IP	Yes
• DHCP	Yes
WEB characteristics	
• HTTP	Yes
• HTTPS	Yes
• HTML	Yes; HTML5
• XML	Yes
• CSS	Yes
Active X	No
JavaScript	Yes
● Java VM	No
EMC	
Emission of radio interference acc. to EN 55 011	
 Limit class A, for use in industrial areas 	Yes
• Limit class B, for use in residential areas	No
Standards, approvals, certificates CE mark	Yes
Standards, approvals, certificates CE mark	
Standards, approvals, certificates CE mark cULus	Yes
Standards, approvals, certificates CE mark cULus FM approval	Yes No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK)	Yes No Yes
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval	Yes No Yes No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R)	Yes No Yes No No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC	Yes No Yes No No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC Suitable for safety functions	Yes No Yes No No Yes
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC Suitable for safety functions Marine approval	Yes No Yes No No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC Suitable for safety functions Marine approval Highest safety class achievable in safety mode	Yes No Yes No No Yes No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC Suitable for safety functions Marine approval Highest safety class achievable in safety mode • Performance level according to ISO 13849-1	Yes No Yes No No Yes No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC Suitable for safety functions Marine approval Highest safety class achievable in safety mode • Performance level according to ISO 13849-1 • SIL acc. to IEC 61508	Yes No Yes No No Yes No
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Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC Suitable for safety functions Marine approval Highest safety class achievable in safety mode • Performance level according to ISO 13849-1 • SIL acc. to IEC 61508 Ambient conditions Free fall • Fall height, max.	Yes No Yes No No Yes No
Standards, approvals, certificates CE mark cULus FM approval RCM (formerly C-TICK) KC approval EAC (formerly Gost-R) CCC Suitable for safety functions Marine approval Highest safety class achievable in safety mode • Performance level according to ISO 13849-1 • SIL acc. to IEC 61508 Ambient conditions Free fall • Fall height, max. Ambient temperature during operation	Yes No Yes No No Yes No PLe SIL 3
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Image objects	
 Number of objects per image 	400
Complex image objects	
 Number of complex objects per screen 	20
Peripherals/Options	
USB memory	Yes; USB storage medium can be connected
Mechanics/material	
Enclosure material (front)	
Plastic	Yes
Weights	
Weight (without packaging)	1.5 kg

last modified:

9/11/2023 🖸