SIEMENS

Data sheet

6AV7863-7MA15-2AA0

SIMATIC IFP2400 V2 PRO, 24 multi-touch display (16:9) with 1920x1080 pixel resolution, PRO variant support arm, for 24 V DC, DisplayPort, can be placed up to 100 m away HDBaseT, USB on the rear side, standard design



Figuresimilar

General information IFP2400 V2 PRO Product type designation Flat Panel 24' PRO multi-louch ext. Design of display TFT widescreen display, LED backlighting Screen diagonal 23.8 in Screen diagonal (pm) 60.47 cm Display width 527 mm Display width 527 mm On Screen Display (SDD) configuration No: Adjustable by means of software Number of colors 167 A72 16; 24 bit Vewing angle 178' x 178' Resolution (pixels) 1920 yixel • Image resolution 1920 yixel • Vertical image res		
Short designation Flat Panel 24" PRO multi-louch ext. Design of display TFT widescreen display, LED backlighting Screen diagonal 23.8 in Screen diagonal [cm] 60.47 cm Display height 287 mm Display height 296 mm On Screen Display (OSD) configuration No: Adjustable by means of software Number of colors 167 77 216; 24 bit Vewing angle 178" x 178" Resolution (pixels) 1920 x 1080 Hange resolution 1920 x 1080 Horizontal image resolution 1920 x 1080 Horizontal image resolution 1920 x 1080 Vewing angle 2745 mm Obsels height form computer unit 00 r/45 mm One thange resolution 1920 pixel Vertical image resolution 2745 mm Obsels inform computer unit 00 r/1 000:1 Detachable from computer unit 100 r/1 HOBaseT protocol Backlighting LED MTBF backlighting (at 25 °C) 300 r/4 t 25°C Backlight dimmable Yes; Also externally via USB Control elements multi-buch screen Input device Yes; Projective-capacitive Order operation Yes; Projective-capacitive Obesign as buch screen Yes; Projective-capacitive	General information	
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• Monitor keyboard Yes Installation type/mounting	Design as touch screen	Yes; Projective-capacitive
• Monitor keyboard Yes Installation type/mounting	 Design as multi-touch screen 	Yes; Projective-capacitive
Design Support arm mounting Front mounting No	 Monitor keyboard 	
Design Support arm mounting Front mounting No	Installation type/mounting	
Front mounting No		Support arm mounting
Support arm mounting Yes; Suitable for support arm without extension components	Support arm mounting	Yes; Suitable for support arm without extension components
Stand mounting No	Stand mounting	No

movimum permitted forward tilt angle from worth-	
maximum permitted forward tilt angle from vertical	45°
maximum permitted backward tilt angle from vertical	45°
Supply voltage	
Type of supply voltage	DC
Rated value (DC)	24 V; PELV / SELV floating
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	1.5 A
Current consumption, max.	1.9 A
Starting current inrush I ² t	0.5 A ² ·s
Power loss	
Power loss, typ.	36 W
Power loss, max.	41 W
Interfaces	
Number of USB interfaces	2; USB 2.0 type A
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
DisplayPort	Yes; Display port V1.2
Touch interfaces	
• USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP65
NEMA (front)	
Enclosure Type 4 at the front	Yes
Enclosure Type 4x at the front	Yes
Standards, approvals, certificates	
Certificate of suitability	hazardous zone 2/22; shipbuilding
CE mark	Yes
UL approval	Yes; cULus, cUL
cULus	Yes
FM approval	Available soon
RCM (formerly C-TICK)	Yes
EAC (formerly Gost-R)	Yes
EMC	CE, EN 55011, EN 61000-6-4, EN 61000-6-2
Marine approval	
Marine approval	Available soon
Use in hazardous areas	
Use in hazardous areas • ATEX Zone 2	Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22	Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2	Yes Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22	Yes Yes Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2	Yes Yes Yes
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval	Yes Yes Yes No
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL)	Yes Yes Yes No Yes; In application process
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS)	Yes Yes Yes Yes No Yes; In application process Yes; In application process
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Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV)	Yes Yes Yes Yes No Yes; In application process Yes; In application process Yes; In application process Yes; In application process
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS)	Yes Yes Yes Yes No Yes; In application process Yes; In application process
Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK)	Yes Yes Yes Yes No Yes; In application process Yes; In application process Yes; In application process Yes; In application process
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) Ambient conditions	Yes Yes Yes Yes No Yes; In application process Yes; In application process
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) Ambient conditions Ambient temperature during operation	Yes Yes Yes Yes No Yes; In application process Yes; In application process
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) Ambient conditions Ambient temperature during operation • min.	Yes Yes Yes Yes No Yes; In application process Yes; In application process
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Use in hazardous areas ATEX Zone 2 ATEX Zone 22 IECEx Zone 2 IECEx Zone 22 FM Class I Division 2 Marine approval Germanischer Lloyd (GL) American Bureau of Shipping (ABS) Bureau Veritas (BV) Det Norske Veritas (DNV) Lloyds Register of Shipping (LRS) Nippon Kaiji Kyokai (Class NK) Ambient conditions Ambient temperature during operation min. max. Ambient temperature during storage/transportation min. max.	Yes Yes Yes Yes No Yes; In application process Yes; In application process
Use in hazardous areas • ATEX Zone 2 • ATEX Zone 22 • IECEx Zone 2 • IECEx Zone 22 • FM Class I Division 2 Marine approval • Germanischer Lloyd (GL) • American Bureau of Shipping (ABS) • Bureau Veritas (BV) • Det Norske Veritas (DNV) • Lloyds Register of Shipping (LRS) • Nippon Kaiji Kyokai (Class NK) Ambient conditions Ambient temperature during operation • min. • max. Ambient temperature during storage/transportation • min.	Yes Yes Yes Yes No Yes; In application process Yes; In application process

Relative humidity	
Operation, max.	95 %; no condensation
Vibrations	
 Vibration load in operation 	1 gn
 Vibration load during transport/storage 	1 gn
Shock testing	
 Shock load during operation 	15 gn
 shock acceleration during storage/transport 	15 gn
Mechanics/material	
Enclosure material (front)	In standard design
Aluminum	Yes
Aluminum casting	Yes
• Glass	Yes; at front
Enclosure material (rear)	aluminum
Dimensions	
Width	583 mm
Height	361 mm; Without basic adapter
Depth	93.7 mm; Without basic adapter
Width of the housing front	583 mm
Height of housing front	361 mm
Weights	
Weight (without packaging)	9.2 kg
Weight (with packaging)	11.2 kg

last modified:

5/31/2023 🖸