

*** spare part *** SIMATIC IFP1900, Flat Panel 19" display (16: 9), multi-touch, extended version up to 30 m, 1366x 768 pixels, for 24 V DC and 100-240 V AC, display port/DVI interface, incl. DVI/USB cable 1.8 m, marine approval



Figure similar

General information	
Product type designation	IFP1900
Short designation	Flat Panel 19" multi-touch ext. marine
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	18.5 in; 19"
Screen diagonal [cm]	47 cm
Display width	409.8 mm
Display height	230.4 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	170° x 160°
Resolution (pixels)	
• Image resolution	1 366 x 768
• Horizontal image resolution	1 366 pixel
• Vertical image resolution	768 pixel
• Pixel size, horizontal	0.3 mm
• Pixel size, vertical	0.3 mm
General features	
• Brightness/contrast	300 cd/m ² / 1 000:1
• non-reflective and tempered mineral glass screen	Yes
• Detachable from computer unit	30 m
• Luminance	300 cd/m ²
Backlighting	
• Type of backlighting	LED
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %
Control elements	
Control elements	multi-touch screen
Input device	
• Integrated mouse cursor control	No
Touch operation	
• Design as touch screen	Yes; Projective-capacitive
• Monitor keyboard	Yes
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°

maximum permitted backward tilt angle from vertical	35°
Supply voltage	
Type of supply voltage	AC/DC
Rated value (DC)	24 V; PELV
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Rated value (AC)	100 V; Up to 240V, 50/60 Hz
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V
Power loss	
Power loss, typ.	40 W
Power loss, max.	65 W
Interfaces	
USB on the rear	Yes; 2x onboard
Connection for keyboard/mouse	USB
Video interfaces	
• DVI-D	Yes
• DisplayPort	Yes; DisplayPort V1.1
Touch interfaces	
• USB	Yes
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
• 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; Corresponds to UL 508
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
• FM Class I Division 2	No
Marine approval	
• Germanischer Lloyd (GL)	Yes
• American Bureau of Shipping (ABS)	Yes
• Bureau Veritas (BV)	Yes
• Det Norske Veritas (DNV)	Yes
• Lloyds Register of Shipping (LRS)	Yes
• Nippon Kaiji Kyokai (Class NK)	Yes
Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C; Vertical installation (horizontal)
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	60 °C
Relative humidity	
• Operation, max.	95 %; no condensation
Vibrations	
• Vibration load in operation	10 m/s²
• 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
Mechanics/material	

Enclosure material (front) • Glass	Yes
Dimensions	
Width of the housing front	483 mm
Height of housing front	337 mm
Mounting cutout, width	465 mm; Tolerance: +1 mm
Mounting cutout, height	319 mm; Tolerance: +1 mm
Overall depth	62.5 mm
Weights	
Weight (without packaging)	5.5 kg
Weight (with packaging)	6.5 kg
Classifications	

	Version	Classification
eClass	14	19-20-02-01
eClass	12	19-20-02-01
eClass	9.1	19-20-02-01
eClass	9	19-20-02-01
eClass	8	19-20-02-01
eClass	7.1	19-20-02-01
eClass	6	19-20-02-01
ETIM	9	EC001428
ETIM	8	EC001428
ETIM	7	EC001428
IDEA	4	6675
UNSPSC	15	43-21-19-02

Approvals / Certificates
General Product Approval

[Miscellaneous](#)

[Manufacturer Declaration](#)



EMV	Maritime application

last modified: 3/12/2024