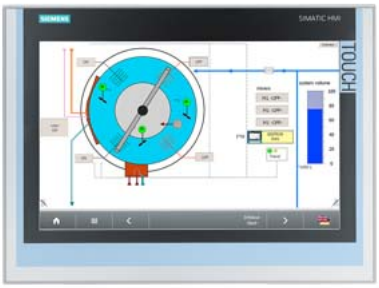
SIEMENS

Data sheet 6AV7863-2BB10-0AA0

SIMATIC IFP1500 Flat Panel 15" display (16:10), with Touch and Key, Extended version up to 30 m, 1280x 800 pixels, for 24 V DC and 100-240 V AC, display port/DVI interface incl. DVI/USB cable 1.8 m



General information	
Product type designation	IFP1500
Short designation	Flat Panel 15" touch/keys
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	15.4 in; 15"
Screen diagonal [cm]	40 cm
Display width	331.2 mm
Display height	207 mm
On Screen Display (OSD) configuration	No; Adjustable by means of software
Number of colors	16 777 216; 24 bit
Viewing angle	170° x 170°
Resolution (pixels)	
● Image resolution	1 280 x 800
● Horizontal image resolution	1 280 pixel
● Vertical image resolution	800 pixel
● Pixel size, horizontal	0.259 mm
● Pixel size, vertical	0.259 mm
General features	
● Brightness/contrast	400 cd/m² / 1 000:1
● non-reflective and tempered mineral glass screen	Yes
● Detachable from computer unit	5 m
● Luminance	400 cd/m²
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	keys and touch screen
Input device	
● Integrated mouse cursor control	No
Keyboard fonts	
● Function keys	Yes
— Number of function keys	36
Touch operation	
● Design as touch screen	Yes; Analog-resistive
● Monitor keyboard	Yes

Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
Built-in unit	Yes
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
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; 1x onboard
USB at the front	Yes
Connection for keyboard/mouse	USB
Video interfaces	
● analog video signal (VGA)	No
● 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
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes; Corresponds to UL 508
RCM (formerly C-TICK)	Yes
KC approval	Yes
Use in hazardous areas	
● FM Class I Division 2	No
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °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)	
● Aluminum	Yes

Dimensions	
Width of the housing front	483 mm
Height of housing front	310 mm
Mounting cutout, width	450 mm; Tolerance: +1 mm
Mounting cutout, height	291 mm; Tolerance: +1 mm
Overall depth	62.5 mm
Weights	
Weight (without packaging)	4.3 kg
Weight (with packaging)	5.4 kg

last modified: 12/16/2020