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Data sheet 6AV7861-3TB10-2AA0

SIMATIC Flat Panel 19T extended 19-inch touch TFT screen with 1280x 1024 pixels resolution for 24 V DC and 120/240 V AC, VGA, DVI-D interface, can be placed up to 30 m away



General information	
Product type designation	Flat Panel
Display	
Design of display	TFT display, LED backlighting
Screen diagonal	18.5 in; 19"
Display width	376.3 mm
Display height	301.1 mm
On Screen Display (OSD) configuration	Yes
Number of colors	16 000 000; 16.7 million
Viewing angle	170° x 170°
Resolution (pixels)	
• Image resolution	1 280 x 1 024
• Horizontal image resolution	1 280 Pixel
• Vertical image resolution	1 024 Pixel
General features	
• Brightness/contrast	> 300 cd/m² / 300:1
• Detachable from computer unit	30 m
Backlighting	

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• Type of backlighting	LED, dimmable
• MTBF backlighting (at 25 °C)	50 000 h; At 25°C
• Backlight dimmable	Yes; 0-100 %

Control elements	
Control elements	single-touch screen
Input device	
• Integrated mouse cursor control	No
Keyboard fonts	
• Function keys	No
— Number of function keys	0
Touch operation	
• Design as touch screen	Yes

Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
VESA mounting	No
Built-in unit	Yes; Portrait mode possible
maximum permitted forward tilt angle from vertical	35°; max. 40°C
maximum permitted backward tilt angle from vertical	70°; max. 40°C

Supply voltage	
Type of supply voltage	AC/DC
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
permissible range, lower limit (AC)	90 V
permissible range, upper limit (AC)	264 V

Interfaces	
USB on the rear	Yes; 2x onboard
Video interfaces	
• analog video signal (VGA)	Yes
• DVI-D	Yes

Degree and class of protection	
IP (at the front)	IP65

Standards, approvals, certificates	
CE mark	Yes
CSA approval	Yes
UL approval	Yes
Marine approval	
• Germanischer Lloyd (GL)	Yes; Optional
• American Bureau of Shipping (ABS)	Yes; Optional
• Bureau Veritas (BV)	Yes; Optional

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• Det Norske Veritas (DNV)	Yes; Optional
• Lloyds Register of Shipping (LRS)	Yes; Optional

Ambient conditions	
Ambient temperature during operation	
• min.	0 °C
• max.	45 °C
Ambient temperature during storage/transportation	
• min.	-20 °C
• max.	70 °C

Mechanics/material	
Enclosure material (front)	
• Aluminum	Yes

Dimensions	
Width of the housing front	483 mm
Height of housing front	400 mm
Mounting cutout, width	450 mm
Mounting cutout, height	380 mm
Overall depth	57 mm

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