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Data sheet 6AV6646-7BA00-0AA0

SIMATIC HMI, IWP1500MT, industrial web panel, multi-touch, HTML5 browser, 15" widescreen TFT display, built-in unit



Figure similar

General information	
Product type designation	IWP1500MT
Display	
Design of display	TFT widescreen display, LED backlighting
Screen diagonal	15.6 in
Display width	344.2 mm
Display height	193.5 mm
Number of colors	16 777 216
Resolution (pixels)	
● Horizontal image resolution	1 366 pixel
● Vertical image resolution	768 pixel
General features	
● non-reflective and tempered mineral glass screen	Yes
Backlighting	
● MTBF backlighting (at 25 °C)	50 000 h; At 25°C
● Backlight dimmable	Yes; LED, dimmable
Control elements	
Touch operation	
● Design as touch screen	Yes
● Design as multi-touch screen	Yes; Projective-capacitive
● Monitor keyboard	Yes
Installation type/mounting	
Design	Built-in unit
Front mounting	Yes
Support arm mounting	No
Stand mounting	No
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	DC
Rated value (DC)	24 V
permissible range, lower limit (DC)	19.2 V
permissible range, upper limit (DC)	28.8 V
Input current	
Current consumption (rated value)	1.4 A
Starting current inrush I²t	0.5 A²·s
Power	

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Active power input, typ.	34 W
Power loss	
Power loss, typ.	34 W
Interfaces	
Number of industrial Ethernet interfaces	2; 2 ports (switch)
Number of USB interfaces	4; on rear
Connection for keyboard/mouse	only mouse
Industrial Ethernet	
● Transmission rate, max.	1 000 Mbit/s
Protocols	
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
Degree and class of protection	
IP (at the front)	IP65
IP (rear)	IP20
NEMA (front)	
● Enclosure Type 4x at the front	Yes
● Enclosure Type 12 at the front	Yes
Standards, approvals, certificates	
CE mark	Yes
cULus	Yes
FM approval	No
RCM (formerly C-TICK)	Yes
KC approval	No
EAC (formerly Gost-R)	Yes
Ambient conditions	
Ambient temperature during operation	
● min.	0 °C
● max.	50 °C
Ambient temperature during storage/transportation	
● min.	-20 °C
● max.	60 °C
Relative humidity	
● Operation, max.	90 %; 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
Software	
Web browser	Yes; HTML5, CSS
PDF reader	Yes
Configuration	
Configuration	
● Local	Yes
● Remote	No
Languages	

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Online languages	
● Number of online/runtime languages	2; german / english
Peripherals/Options	
USB memory	Yes; USB storage medium can be connected
Mechanics/material	
Enclosure material (front)	
● Aluminum	Yes
Dimensions	
Width of the housing front	398 mm
Height of housing front	257 mm
Mounting cutout, width	382 mm
Mounting cutout, height	241 mm
mounting depth	73 mm
Weights	
Weight (without packaging)	5 kg

Classifications

	Version	Classification
eClass	16	19-20-01-03
eClass	14	19-20-01-03
eClass	12	19-20-01-03
eClass	9.1	19-20-01-03
eClass	9	19-20-01-03
eClass	8	27-24-23-01
eClass	7.1	27-24-23-01
eClass	6	27-24-23-01
ETIM	10	EC001414
ETIM	9	EC001414
ETIM	8	EC001414
ETIM	7	EC001414
IDEA	4	6607
UNSPSC	15	43-21-15-06

Approvals / Certificates

General Product Approval

Manufacturer Declaration

Miscellaneous

China RoHS

General Product Approval | **EMV** | **For use in hazardous locations**

last modified: 9/11/2026

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