SIMATIC HMI UNIFIED COMFORT

Product Data Sheet

6AV2128-3MB06-0AX1

MTP1200 Unified Comfort Panel

DISPLAY TECHNOLOGY	SCREEN DIAGONAL	IMAGE RESOLUTION	DISPLAY COLORS
TFT	**12.1 in**	**1280 × 800 pixels**	**16,777,216**

Siemens 6AV2128-3MB06-0AX1 is a SIMATIC HMI MTP1200 Unified Comfort Panel with a 12.1-inch widescreen TFT touch display. Its 1280 × 800-pixel image and 16.7 million colors support operator visualization configured with WinCC Unified Comfort Engineering in the TIA Portal environment.

01 TECHNICAL DATA

Display technology	TFT
Screen diagonal	12.1 in
Image resolution	1280 × 800 pixels
Display colors	16,777,216
Rated supply voltage	24 V DC
Permissible supply voltage	19.2–28.8 V DC
Rated supply current	0.6 A
Maximum supply current	1.3 A
USB interfaces	4 × USB 3.1 Gen 1 Type A
SD card slots	2

02 ADDITIONAL PRODUCT DATA

Industrial Ethernet interfaces	2; two-port switch plus independent port
Serial interface	1 × combined RS422/RS485
Front ingress rating	IP65
Rear ingress rating	IP20
Landscape vertical operating range	0 to +50 °C

03 PRODUCT FUNCTION

The panel uses 24 V DC power within a 19.2–28.8 V range, with 0.6 A rated and 1.3 A maximum current. Its interfaces include Industrial Ethernet, a combined RS422/RS485 port, four USB 3.1 Gen 1 Type A ports and two SD card slots. Protection is IP65 at the front and IP20 at the rear, with temperature limits that depend on mounting orientation and inclination.

04 SYSTEM COMPATIBILITY

Provide 19.2–28.8 V DC and allow for the 1.3 A maximum consumption. Use the documented two Industrial Ethernet interfaces, comprising a two-port switch and an independent port, and identify the combined RS422/RS485 connection separately from the four USB and two SD interfaces.

05 REFERENCE

Siemens 6AV2128-3MB06-0AX1 Data Sheet, 31 January 2023

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