

SIMATIC HMI OPERATOR SYSTEMS

Product Data Sheet

6AV6643-0DB01-1AX1

SIMATIC HMI operator panel

FUNCTION	FAMILY	ORIGIN	WEIGHT
SIMATIC HMI operator panel	SIMATIC HMI operator systems	Germany	3.049 kg

Siemens SIMATIC HMI 6AV6643-0DB01-1AX1 is a SIMATIC HMI operator panel for the SIMATIC HMI operator systems. The values below are limited to the exact documented article.

01

VERIFIED TECHNICAL DATA

Screen diagonal	7.5 in
Horizontal image resolution	640 pixel
Vertical image resolution	480 pixel
min.	0 °C
max.	50 °C
Ambient temperature during storage/transportation min.	-20 °C
Ambient temperature during storage/transportation max.	60 °C
Supports protocol for PROFINET IO	Yes
PROFIsafe	No
Interfaces/bus type	1x RS 422, 1x RS 485, 1x Ethernet (RJ45)

- Display live process and machine status: Use 6AV6643-0DB01-1AX1 for configured screens, status values and navigation within the documented SIMATIC HMI operator systems. Restore the approved HMI project and communication settings.
- Acknowledge alarms and issue controlled commands: Verify key, touch and safety-control functions on 6AV6643-0DB01-1AX1; confirm each command reaches the intended controller tag without unintended equipment movement.
- Validate the complete operator interface: Test display quality, touch or key response, communication, user access and emergency or enabling devices applicable to 6AV6643-0DB01-1AX1 before production use.

Match 6AV6643-0DB01-1AX1 to the installed SIMATIC HMI operator systems, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens Industry Mall technical product data](#)

<https://mall.industry.siemens.com/mall/en/kettanehjoown/Catalog/Product?SiepCountryCode=OE&mlfb=6AV6643-0DB01-1AX1>

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