

SIMATIC HMI PANELS

Product Data Sheet

6AV6642-0EA01-3AX0

SIMATIC operator touch panel

FUNCTION SIMATIC operator touch panel	FAMILY SIMATIC HMI Panels	ORIGIN Germany	WEIGHT Confirm before dispatch
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Siemens Simatic HMI 6AV6642-0EA01-3AX0 is a SIMATIC operator touch panel for the SIMATIC HMI Panels. The values below are limited to the exact documented article.

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VERIFIED TECHNICAL DATA

Exact Article Code	6AV6642-0EA01-3AX0
Product Class	Simatic Operator Touch Panel
Product Family	SIMATIC HMI Panels
Display Technology	5.7-inch TFT
Display Resolution	320 × 240 pixels
Color Capability	65,536 colors
User Memory	2 MB
Communication Ports	Ethernet, RS 422/485, USB
Operator Input	Resistive touch / function keys
Supply Class	24 V DC

Configuration Software	SIMATIC WinCC
Recipe Support	Persistent recipe records
Alarm System	Message buffer and acknowledgement
Front Protection	IP65 installed

- Coordinate recipe mixing with Simatic Operator: Across the mixers and ingredient skids, 6AV6642-0EA01-3AX0 provides its specified system function as a SIMATIC operator touch panel. During recipe changeover, the system uses this function to sequence material transfers and equipment permissives, helping it preserve the verified batch state.
- Integrate web transport with Simatic Operator: Within the unwinders, dancers and pull rolls, 6AV6642-0EA01-3AX0 provides its specified system function as a SIMATIC operator touch panel. During format change, the system uses this function to synchronize the driven sections with product position, helping it protect web tension and print registration.
- Control test-stand control with Simatic Operator: For the coordinated operation of the load actuators and measurement channels, 6AV6642-0EA01-3AX0 handles its designated signal or control duty as a SIMATIC operator touch panel. During test-point transition, the system uses this function to move the test article through commanded operating points, helping it capture comparable results at each condition.

Match 6AV6642-0EA01-3AX0 to the installed SIMATIC HMI Panels, complete wiring, mating hardware, revision and approved configuration. A similar article number does not establish direct interchangeability.

[Siemens official product documentation and manufacturer catalog](#)

<https://mall.industry.siemens.com/mall/en/WW/Catalog/Product/6AV6642-0EA01-3AX0>

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