

APTER POWER PRODUCT MANUAL

6AV6644-0AB01-2AX0

SIMATIC MP 377 15-inch Touch Multi Panel

The Siemens 6AV6644-0AB01-2AX0 is a SIMATIC MP 377 15-inch Touch Multi Panel. Its resistive color display provides local process visualization, alarm handling, data entry, and operator control for the configured automation system.

The panel communicates through Ethernet, serial, and USB interfaces and runs the machine-specific WinCC flexible project stored in its configuration memory.

Manufacturer	Siemens
Prepared by	Apter Power
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APTER POWER SALES TEAM

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Restore the 15-Inch Operator View with the Right Project.

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SCAN FOR PRODUCT & QUOTE
6AV6644-0AB01-2AX0

1. Product Overview and Identity

The Siemens 6AV6644-0AB01-2AX0 is a SIMATIC MP 377 15-inch Touch Multi Panel. Its resistive color display provides local process visualization, alarm handling, data entry, and operator control for the configured automation system.

The panel communicates through Ethernet, serial, and USB interfaces and runs the machine-specific WinCC flexible project stored in its configuration memory.

Model Configuration

Field	Verified information
Complete model	6AV6644-0AB01-2AX0
Manufacturer	Siemens
Product description	SIMATIC MP 377 15-inch Touch Multi Panel

Key Features

- Exact 6AV6644-0AB01-2AX0 identity retained
- Manufacturer-source data separated from unconfirmed values
- 15-inch color TFT touch panel
- System context: SIMATIC HMI
- Model-specific lifecycle and installation guidance

2. Technical Specifications

Only manufacturer-confirmed information is stated. Values absent from the named Siemens source are marked for nameplate or document verification.

Parameter	Verified value
Display	15-inch color TFT touch panel
Resolution	1024 x 768 pixels
Colors	65,536
Touch technology	Resistive
Configuration memory	12 MB
Interfaces	2 Ethernet; RS422; RS485; 2 USB; CF; MMC
Supply	24 V DC
Typical power	45.6 W
Front / rear protection	IP65 / IP20
Net weight	Approx. 4.7 kg

Verification Note

Use the complete 6AV6644-0AB01-2AX0 identifier. Siemens lists the article as a spare part and states that new delivery has been blocked since 1 January 2015. Values not published in the cited Siemens source are intentionally not inferred.

3. Functions, Applications and Components

Core Functions

- The panel communicates through Ethernet, serial, and USB interfaces and runs the machine-specific WinCC flexible project stored in its configuration memory.
- Maintains the documented SIMATIC HMI system role for this exact article number.
- Provides an exact reference for engineering, maintenance, and quotation review.

Application Areas

Application	System role
Machine visualization	Display process graphics, alarms, and controls.
Production data entry	Let operators enter recipes and setpoints defined in the project.
Legacy HMI replacement	Restore a 15-inch MP 377 station from a verified backup.

Compatible Components

- Machine HMI project created for MP 377 and supported WinCC flexible version
- Configured PLC communications and network settings
- Cabinet cutout, 24 V DC supply, and external storage documented for the machine

Lifecycle Status

Siemens lists the article as a spare part and states that new delivery has been blocked since 1 January 2015.

4. Installation Precautions

- Create a complete HMI project and runtime backup
- Record Ethernet and serial settings
- Verify the cabinet cutout and sealing gasket
- Use only a compatible WinCC flexible project
- Confirm 24 V DC capacity and polarity

STOP - Verify before installation

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Use the physical nameplate and current Siemens documents as the controlling records.

5. Official Source and Use Notice

Official source

Siemens Industry Mall technical data for 6AV6644-0AB01-2AX0.

Apter Power product page

<https://www.apterpower.com/Siemens/6AV6644-0AB01-2AX0>

Use Notice

This is an original Apter Power product-specific reference prepared from the Siemens source named above. It is not a Siemens publication and does not replace the original data sheet, nameplate, certificate, installation drawing, safety instructions, or machine-builder documentation.

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For availability and quotation details, visit www.apterpower.com or contact sales13@apterpower.com.