

6AV2124-0QC02-0AX1

SIMATIC HMI TP1500 Comfort Panel

Siemens 6AV2124-0QC02-0AX1 is a 15.4-inch SIMATIC HMI TP1500 Comfort Panel. It provides visualization, touch operation, and networked operator access for configured automation systems.

PRODUCT SNAPSHOT

BRAND

Siemens

FAMILY

SIMATIC HMI Comfort Panel

PART

6AV2124-0QC02-0AX1

ORIGIN / HS

Germany / 8537101190

APTER POWER SALES TEAM

WHATSAPP / PHONE

+86 180 3023 5313

EMAIL

sales13@apterpower.com

WEBSITE

www.apterpower.com



PRODUCT OVERVIEW

Siemens 6AV2124-0QC02-0AX1 is a 15.4-inch SIMATIC HMI TP1500 Comfort Panel. It provides visualization, touch operation, and networked operator access for configured automation systems.

- 1

Displays operator graphics and accepts resistive-touch commands
- 2

Exchanges process values over industrial Ethernet and serial automation networks
- 3

Stores HMI project data and service archives on internal or SD memory
- 4

Supports local commissioning, diagnostics, and machine operation

SYSTEM COMPONENTS

- TIA Portal HMI project
- 24 V DC control supply
- PROFINET or PROFIBUS network
- compatible SD memory card

RELATED PRODUCTS ON APTER POWER

MODEL	SYSTEM ROLE	APTER POWER PAGE
6EP1434-2BA20	SITOP industrial power supply	Open product page
6ES7432-1HF00-0AB0	SIMATIC S7-400 analog output module	Open product page

TECHNICAL DATA

PARAMETER	VALUE
Display diagonal	15.4 in widescreen
Display technology	TFT
Display colors	16,777,216
Resolution	1280 x 800 pixels
Active display area	331.2 x 207 mm
Touch technology	Analog resistive
Mounting orientation	Portrait or landscape
Maximum inclination	35 degrees
Rated supply	24 V DC

PARAMETER	VALUE
Rated current	1.7 A
Typical power consumption	41 W
Processor	x86
User-data memory	24 MB
Industrial Ethernet interfaces	2
Serial interface	1 x RS422/485
USB interfaces	2 x USB 2.0
Memory-card slots	2 x SD
Backlight MTBF	80000 h

TECHNICAL NOTE

Back up the installed HMI project, verify 24 V DC polarity and interface assignments, and restore device name, addresses, communication drivers, and runtime functions before handing the panel to operators.

APPLICATIONS & PRECAUTIONS

COMMON APPLICATIONS

Machine operator stations

Displays operator graphics and accepts resistive-touch commands

Process-unit visualization

Exchanges process values over industrial Ethernet and serial automation networks

Production-line recipe and alarm handling

Stores HMI project data and service archives on internal or SD memory

Plant diagnostics and maintenance terminals

Supports local commissioning, diagnostics, and machine operation

PRODUCT PRECAUTIONS

- 1 Verify 6AV2124-0QC02-0AX1 and the installed project before replacement.
- 2 Isolate 24 V DC power and all connected signal references.
- 3 Back up the HMI project, recipes, archives, and security settings.
- 4 Protect the resistive touch surface and front seal during panel mounting.
- 5 Reconnect Ethernet, RS422/485, USB, and SD media to their recorded positions.
- 6 Restore device name, IP parameters, time synchronization, and communication drivers.
- 7 Test touch calibration, backlight, alarm acknowledgement, and data entry.
- 8 Prove controller communication and representative operator functions before release.

ENGINEER FAQ

Q1 What should be checked if 6AV2124-0QC02-0AX1 reports an unstable or incorrect value?

Check seating, supply, grounding, shielding, matched components, mechanical installation, and the signal path before changing configuration or replacing additional hardware.

Q3 What commissioning evidence should be retained for 6AV2124-0QC02-0AX1?

Retain the full 6AV2124-0QC02-0AX1 identity, as-left wiring and settings, measured functional-test results, final diagnostics, and authorization to return the affected equipment to service.

Q5 How should the field connections for 6AV2124-0QC02-0AX1 be recorded before replacement?

Record terminal or connector identity, polarity, shield, cable tag, channel assignment, and the as-found diagnostic state before disconnecting 6AV2124-0QC02-0AX1.

Q7 Which configuration check is essential when commissioning 6AV2124-0QC02-0AX1?

Restore only the approved model-specific channel, range, address, scale, or interface settings and compare them with the physical installation before enabling the process function.

Q2 Can 6AV2124-0QC02-0AX1 be replaced by a visually similar model without review?

No. Verify the complete part number, electrical execution, connector arrangement, companion hardware, and approved software or rack configuration.

Q4 Which installed hardware must be matched before fitting 6AV2124-0QC02-0AX1?

Match the complete 6AV2124-0QC02-0AX1 marking to TIA Portal HMI project and 24 V DC control supply, then confirm the assigned SIMATIC HMI Comfort Panel position and approved system configuration.

Q6 What isolation is required before installing 6AV2124-0QC02-0AX1?

Place machine operator stations in the approved maintenance state, isolate every applicable power, signal, and stored-energy source, and prove the work area safe.

Q8 How can an engineer function-test 6AV2124-0QC02-0AX1 after installation?

Apply a controlled input, reference, or limited output appropriate to simatic hmi tp1500 comfort panel, observe the system indication and diagnostics, and confirm the intended process response.