

01 Readiness and operating boundary

Siemens 6AV6640-0CA01-0AX0 is a SIMATIC HMI TP 170micro touch panel with a 5.7-inch four-blue-mode STN LCD, 320 x 240 resolution and 256 Kbyte working memory.

Confirm exact identity

Confirm the complete 6AV6640-0CA01-0AX0 marking and TP 170micro identity.

Exact article	6AV6640-0CA01-0AX0
Product type	SIMATIC HMI TP 170micro
Display type	STN LCD

Establish the safe work boundary

Back up the installed HMI project and record its communication settings.

Identity	6AV6640-0CA01-0AX0
Host	SIMATIC HMI TP 170micro
Acceptance	Diagnostics and functional response

PAGE TRACE	REQUIRED ENTRY
Inspector	_____
Result	Pass / hold / corrective action
Record	Date, diagnostic state and release reference

CONTACT APTER POWER

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6AV6640-0CA01-0AX0

2 02 Configuration and interface setup

At the machine interface, Siemens 6AV6640-0CA01-0AX0 presents the configured operator screens and touch commands while maintaining the established panel supply and controller communication path.

Record the as-found configuration

Place the machine and every touch-command path in the approved maintenance state.

Product type	SIMATIC HMI TP 170micro
Display type	STN LCD
Active screen	5.7 inch

Map connections and settings

Isolate the 24 V DC supply and label the controller communication connection.

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03 Installation and service sequence

At the machine interface, Siemens 6AV6640-0CA01-0AX0 presents the configured operator screens and touch commands while maintaining the established panel supply and controller communication path.

Restore the documented assembly

Inspect the panel seal, mounting clamps, protective earth and cable retention.

Display type	STN LCD
Active screen	5.7 inch
Resolution	320 x 240 pixels

Protect every interface

Verify the 20.4-28.8 V DC supply range before energization.

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04 Verification and fault isolation

At the machine interface, Siemens 6AV6640-0CA01-0AX0 presents the configured operator screens and touch commands while maintaining the established panel supply and controller communication path.

Verify the installed function

Restore the project, complete touch calibration and review all alarm screens.

Active screen	5.7 inch
Resolution	320 x 240 pixels
Display mode	4 Blue Mode

Isolate unexpected response

Test representative tags, commands and interlocks before service release.

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5 05 Acceptance and service handover

At the machine interface, Siemens 6AV6640-0CA01-0AX0 presents the configured operator screens and touch commands while maintaining the established panel supply and controller communication path.

Complete the release record

Confirm the complete 6AV6640-0CA01-0AX0 marking and TP 170micro identity.

Exact article	6AV6640-0CA01-0AX0
Product type	SIMATIC HMI TP 170micro
Display type	STN LCD

Retain acceptance evidence

Back up the installed HMI project and record its communication settings.

Identity	6AV6640-0CA01-0AX0
Host	SIMATIC HMI TP 170micro
Acceptance	Diagnostics and functional response

Siemens 6AV6648-0EC11-3AX0

Siemens 6AV6647-0AH11-3AX0

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