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01 Identity and operating boundary

Siemens 6GK1143-0TA00 is the basic SINEC CP 1430 TF communications processor for connecting SIMATIC S5 controllers to Industrial Ethernet. It is configured with the NCM COM 1430 TF engineering package for the retained SINEC installation.

Primary task

Confirm 6GK1143-0TA00 and the CP 1430 TF Basic execution before work.

Network family	SINEC Industrial Ethernet
Engineering software	NCM COM 1430 TF

Independent verification

Back up the NCM COM 1430 TF database, connection list, addresses and firmware record.

Identity	6GK1143-0TA00
Host	SINEC CP 1430 TF

CONTROL	REQUIRED RESULT
Configuration	SIMATIC S5 communication over SINEC Industrial Ethernet
Release	Recorded diagnostics and function
Hold point	Any identity or interface mismatch

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6GK1143-0TA00

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02 Interface and configuration map

Siemens 6GK1143-0TA00 links a SIMATIC S5 rack to the installed SINEC Industrial Ethernet network while preserving the processor firmware, connection database and host startup behavior.

Primary task

Place the SIMATIC S5 controller and network peers in the approved maintenance state.

Engineering software	NCM COM 1430 TF
Engineering environment	S5-DOS/ST Version 6.x

Independent verification

Isolate the rack and observe ESD precautions before opening the grounded metal cabinet.

Identity	6GK1143-0TA00
Host	SINEC CP 1430 TF

CONTROL	REQUIRED RESULT
Configuration	SIMATIC S5 communication over SINEC Industrial Ethernet
Release	Recorded diagnostics and function
Hold point	Any identity or interface mismatch

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03 Installation sequence

Siemens 6GK1143-0TA00 links a SIMATIC S5 rack to the installed SINEC Industrial Ethernet network while preserving the processor firmware, connection database and host startup behavior.

Primary task

Record SINEC media, connectors, shield and protective-earth arrangements.

Engineering environment	S5-DOS/ST Version 6.x
Supported engineering	PG720 / PG740 / PG760 / compatible PC

Independent verification

Restore the processor, network path and retained connection database without renumbering peers.

Identity	6GK1143-0TA00
Host	SINEC CP 1430 TF

CONTROL	REQUIRED RESULT
Configuration	SIMATIC S5 communication over SINEC Industrial Ethernet
Release	Recorded diagnostics and function
Hold point	Any identity or interface mismatch

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04 Diagnostics and functional verification

Siemens 6GK1143-0TA00 links a SIMATIC S5 rack to the installed SINEC Industrial Ethernet network while preserving the processor firmware, connection database and host startup behavior.

Primary task

Review CP startup, PAFE, ANZW and connection-establishment diagnostics under controlled traffic.

Supported engineering	PG720 / PG740 / PG760 / compatible PC
Exact-model online path	Koster box and documented cables

Independent verification

Verify each required transport path before releasing 6GK1143-0TA00.

Identity	6GK1143-0TA00
Host	SINEC CP 1430 TF

CONTROL	REQUIRED RESULT
Configuration	SIMATIC S5 communication over SINEC Industrial Ethernet
Release	Recorded diagnostics and function
Hold point	Any identity or interface mismatch

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05 Acceptance and service handover

Siemens 6GK1143-0TA00 links a SIMATIC S5 rack to the installed SINEC Industrial Ethernet network while preserving the processor firmware, connection database and host startup behavior.

Primary task

Confirm 6GK1143-0TA00 and the CP 1430 TF Basic execution before work.

Exact-model online path	Koster box and documented cables
Transport connections	62 assignable with Basic V3.06B

Independent verification

Back up the NCM COM 1430 TF database, connection list, addresses and firmware record.

Identity	6GK1143-0TA00
Host	SINEC CP 1430 TF

CONTROL	REQUIRED RESULT
Configuration	SIMATIC S5 communication over SINEC Industrial Ethernet
Release	Recorded diagnostics and function
Hold point	Any identity or interface mismatch

Related Siemens product pages

- Siemens 6GK5208-0BA00-2AB2 — View product page
- Siemens 6GK7542-5DX00-0XE0 — View product page
- Siemens 6GK5324-0GG00-1AR2 — View product page

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