

SIMATIC S5 CP 1430 TF EXTENDED

Product Data Sheet

6GK1143-0TB01

Industrial Ethernet communication processor

CPU CLOCK FREQUENCY	ETHERNET TRANSMISSION RATE	AS511 TTY TRANSMISSION RATE	EXTENDED-VERSION DYNAMIC RAM
20 MHz	10 Mbps	9600 bps	2048 KB

Siemens 6GK1143-0TB01 is the extended CP 1430 TF communication processor for compatible SIMATIC S5 configurations. It links the controller to Industrial Ethernet and supports the documented communication and time-synchronization services.

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VERIFIED TECHNICAL DATA

CPU clock frequency	20 MHz
Ethernet transmission rate	10 Mbps
AS511 TTY transmission rate	9600 bps
Extended-version dynamic RAM	2048 KB
Internal configuration memory	128 KB
Dynamic configuration memory	32 KB
CPU-CP dual-port RAM	4 KB
Clock resolution	1 ms
Relative clock accuracy	2 ms
5 V supply tolerance	±5%

ADDITIONAL PRODUCT DATA

Maximum 5 V current	2.7 A
24 V supply tolerance	-15% / +25%
Maximum 24 V current	70 mA
Operating temperature	0 to +60 deg C
Storage temperature	-40 to +70 deg C

DOCUMENTED USE SETTINGS

Industrial Manufacturing and Automated Component Production: Discrete Manufacturing and Assembly.

Chemical Manufacturing and Petrochemical Production: Industrial Chemical Production.

Electricity Generation and Industrial Heat Production: Thermal Electric Power Generation.

SYSTEM COMPATIBILITY

6GK1143-0TB01 belongs to the SIMATIC S5 CP 1430 TF Extended family and provides the documented industrial ethernet communication processor function. Its cpu clock frequency is 20 MHz; match this characteristic to the connected equipment and the project configuration.

PRODUCT EVIDENCE

Siemens SIMATIC S5 CP 1430 TF Extended manufacturer documentation; applicable pages 102, 103, 104, 105, 106, 107, 133, 134, 135