

SIMATIC S5 CP 5431 FMS

Product Data Sheet

6GK1543-1AA01

PROFIBUS FMS communication processor

PROFIBUS ELECTRICAL INTERFACE	PG INTERFACE	PG CABLE REACH	5 V CURRENT CONSUMPTION
RS485	AS511 TTY, 9.6 kbit/s	1000 m maximum	450 mA typical

Siemens 6GK1543-1AA01 is the CP 5431 FMS communications processor for SIMATIC S5. It connects supported S5 controllers to PROFIBUS networks for configured FMS communication, distributed I/O exchange and controller data transfer.

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VERIFIED TECHNICAL DATA

PROFIBUS electrical interface	RS485
PG interface	AS511 TTY, 9.6 kbit/s
PG cable reach	1000 m maximum
5 V current consumption	450 mA typical
24 V current consumption	70 mA typical with RS485
Power loss	1.9 W with RS485
Static RAM	384 KB
Dual-port RAM	4 KB, four 1024-byte pages
EPROM capacity	384 KB maximum
ALI link capacity	32

ADDITIONAL PRODUCT DATA

ALI variable payload	233 bytes maximum
DP slave capacity	32 maximum
Operating temperature	0 to +55 deg C
Storage temperature	-40 to +70 deg C
Protection degree	IP00

DOCUMENTED USE SETTINGS

Industrial Manufacturing and Production Automation: Discrete Manufacturing Process Automation.

Chemical Manufacturing and Process Production: Industrial Chemical Process Production.

Water Treatment and Wastewater Processing: Municipal Drinking Water Treatment.

SYSTEM COMPATIBILITY

Siemens 6GK1543-1AA01 is the CP 5431 FMS communications processor for SIMATIC S5. It connects supported S5 controllers to PROFIBUS networks for configured FMS communication, distributed I/O exchange and controller data transfer.

PRODUCT EVIDENCE

Siemens SIMATIC S5 CP 5431 FMS technical documentation

AMIKON PRODUCT SUPPORT

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