

SIMATIC RF128C

Product Data Sheet

6GT2002-0LE40

RFID Reader Communication Module

READER CONNECTION CAPACITY 4 readers	ETHERNET COMMUNICATION PROTOCOLS PROFINET IO; EtherNet/IP; XML over TCP/IP	ETHERNET TRANSMISSION SPEED 100 Mbit/s; full duplex	ETHERNET CONNECTOR RJ45; 8-pin
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Siemens 6GT2002-0LE40 is the SIMATIC RF128C RFID communication module for connecting up to four supported readers to an industrial Ethernet network. It provides the reader-to-controller communication interface for identification and material-flow tracking in production and intralogistics.

01 VERIFIED TECHNICAL DATA

Reader connection capacity	4 readers
Ethernet communication protocols	PROFINET IO; EtherNet/IP; XML over TCP/IP
Ethernet transmission speed	100 Mbit/s; full duplex
Ethernet connector	RJ45; 8-pin
Reader serial interface	RS422; 19.2 to 921.6 kbaud
Reader connector	M12; 8-pin; A-coded
Nominal DC supply	24 V DC
Permitted supply range	20.4 to 28.8 V DC
Typical unloaded supply current	0.13 A at 24 V DC
Maximum reader interface current	0.8 A

ADDITIONAL PRODUCT DATA

Maximum RS422 cable length	700 m at 115.2 kbaud; less than 100 m at 921.6 kbaud
Operating ambient temperature	0 to 55 deg C
Storage and transport temperature	-40 to 70 deg C
Maximum operating humidity	95%
Ingress protection	IP20

DOCUMENTED USE SETTINGS

Automotive Manufacturing and Vehicle Component Production: Vehicle Body Manufacturing.

Industrial Manufacturing and Production Material Processing: Metalworking and Tool Production.

Warehouse Logistics and Internal Material Distribution: Warehouse Material Flow Management.

SYSTEM COMPATIBILITY

Use 6GT2002-0LE40 as the RF128C communication interface for supported RFID readers. Match the intended PROFINET IO, EtherNet/IP or XML communication method to the controller configuration and the documented reader combination.

PRODUCT EVIDENCE

Siemens SIMATIC RF128C Operating Instructions, C79000-G8976-C740-01, October 2024; pages 105 to 106