

PROSAFE-RS

Product Data Sheet

SCP451-11 S1

Safety control processor module

PROCESSOR ARCHITECTURE	MAIN MEMORY CAPACITY	CONTROL NETWORK PORTS	NETWORK SPEED
MIPS R5000	32 MB	2 Vnet/IP	100 Mbps

Yokogawa SCP451-11 S1 is a processor module in the ProSafe-RS safety instrumented system family for SSC50S/SSC50D safety control units. It executes the configured safety application and coordinates field I/O in process plants, including oil and gas production, chemical processing and power generation.

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VERIFIED TECHNICAL DATA

Processor architecture	MIPS R5000
Main memory capacity	32 MB
Control network ports	2 Vnet/IP
Network speed	100 Mbps
Ethernet transmission mode	Full duplex
Ethernet physical interface	100BASE-TX
Network connector	RJ45
Network cable category	CAT5e or higher
Controller-to-switch distance	100 m maximum
Front configuration switch	6-bit DIP

ADDITIONAL PRODUCT DATA

Status indicator bank	8 numbered LEDs
Battery pack	S9185FA
Battery chemistry	Lithium
Battery replacement interval	3 years at average ambient ≤30 deg C; 18 months at ≤40 deg C; 9 months at ≤50 deg C
ESB interfaces	Dual redundant

DOCUMENTED USE SETTINGS

Oil and Natural Gas Production and Processing: Oil Production and Processing.

Chemical Manufacturing and Petrochemical Production Processing: Industrial Chemical Production.

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

SYSTEM COMPATIBILITY

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OFFICIAL SOURCE

Yokogawa IM 32Q06C10-31E, processor module and maintenance sections

AMIKON PRODUCT SUPPORT

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