

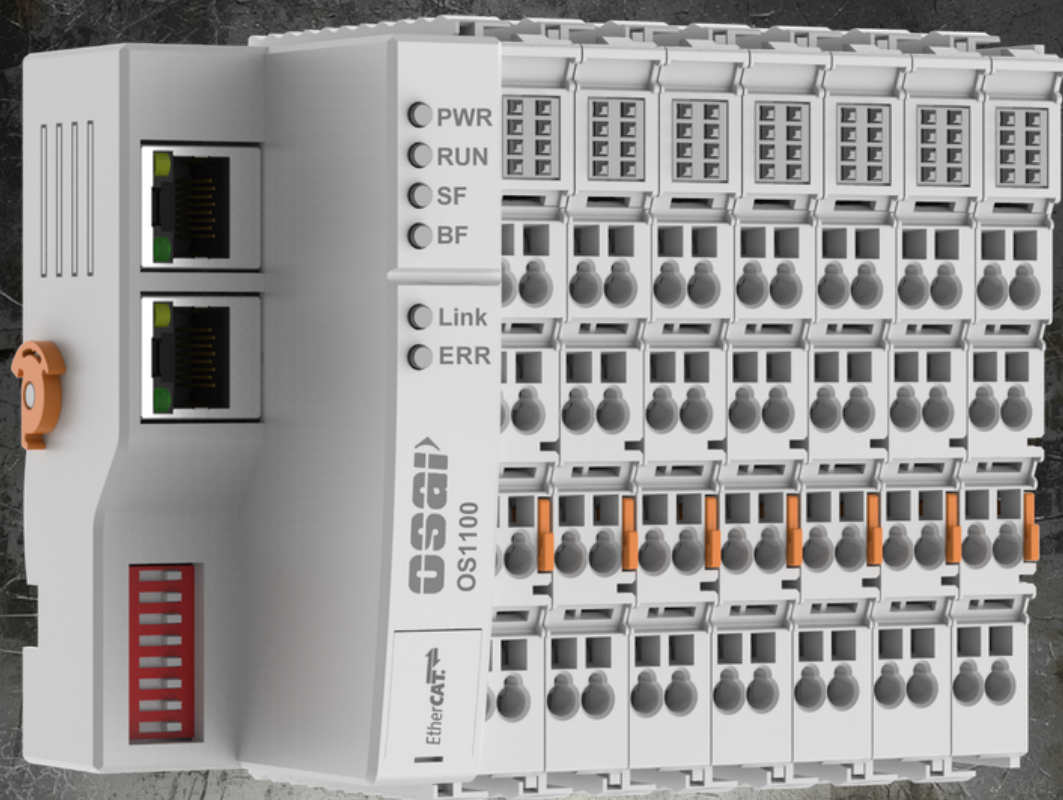


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RIO

PRO-Slim

Multi-functional Expandable Module

8SMPMLC Series



EtherCAT

Modbus

PROFINET

PRO-Slim

Multi-functional Expandable Module 8SMPMLC Series

- Remote I/O
- Ultra thin size
- Three segments structure
- Rich types
- Supports hot plugging
- Stable performance
- High cost-effectiveness

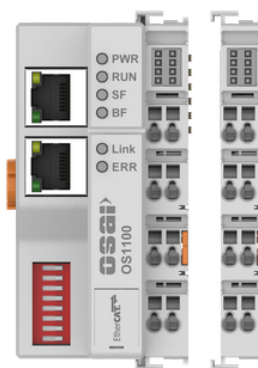


The 8SMPMLC series ultra-thin I/O is a new generation three-stage card module that supports mainstream fieldbus protocols such as EtherCAT, Modbus, and PROFINET. The single module is as thin as 12mm, saving cabinet space.

The three-stage structural design features detachable terminals and module support for hot swapping, making it convenient for on-site maintenance and replacement. While replacing modules, the system operates normally without any impact.

The module responds quickly and reliably collects input signals and sends out output signals. Capable of module level diagnosis, quickly locate problem modules.

There are a variety of module types, including digital input/output, analog input/output, temperature acquisition, encoder module, communication module, etc., to meet customers' needs for more solution combinations.



PRO-Slim

Multi-functional Expandable Module

8SMPMLC Series

PRODUCT MODEL	8SMPMLC1100	8SMPMLC1201	8SMPMLC1101
PRODUCT NAME	EtherCAT®	Modbus	PROFINET®
ADDRESS SETTINGS	According to the technical manual		
NUMBER OF EXPANDABLE I/O MODULES	32		
COMMUNICATION SPEED	100Mbps		
TRANSMISSION DISTANCE	100m (station distance)		
SYSTEM POWER INPUT	DC 24V (18~36V)		
SYSTEM POWER OUTPUT	DC 5V/2A (Max)		
COMMON I/O VOLTAGE	DC 24V (+/- 20%)		
MAX I/O CURRENT	10A (Max)	8A (Max)	10A (Max)
SYSTEM-SIDE ELECTRICAL ISOLATION	AC500V		
POWER PROTECTION	Overcurrent protection, Overvoltage protection, Reverse connection protection		
SIZE	34 x 100 x 77mm		
WEIGHT	140g		
OPERATING TEMPERATURE / STORAGE TEMPERATURE	-25 C~60C / -40C~80C		
RELATIVE HUMIDITY	5% ~ 95%		
PROTECTION LEVEL	IP20		



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Multi-functional Expandable Module

8SMPMLC Series

A wide variety of types to meet various application scenarios.

Compatible with multiple bus protocols, with rich functional modules, supporting up to **32** I/O modules per coupler.

Bus Couplers

Model	Specification
8SMPMLC1100	Ether-CAT Protocol Coupler
8SMPMLC1201	Modbus-TCP Protocol Coupler, dual ports
8SMPMLC1101	Profinet Protocol Coupler

Digital Modules

Model	Specification
8SMPMLC1408	8-channel digital input module, PNP type
8SMPMLC1406	16-channel digital input module, PNP type
8SMPMLC2408	8-channel digital output module, PNP type
8SMPMLC2406	16-channel digital output module, PNP type
8SMPMLC1088	8-channel digital input + 8-channel digital output, PNP type
8SMPMLC2604	4-channel relay output, 5A

Analog Input Modules

Model	Specification
8SMPMLC3044	4-channel analog input, voltage type, $\pm 10V/\pm 5V/0-10V/2-10V/0-5V/1-5V$, 16 bits
8SMPMLC3054	4-channel analog input, current type, 0-20mA/4-20mA, 16 bit
8SMPMLC3048	8-channel analog input, voltage type, $\pm 10V/\pm 5V/0-10V/2-10V/0-5V/1-5V$, 16 bits
8SMPMLC3058	8-channel analog input, current type, 0-20mA/4-20mA, 16 bit

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Analog Output Modules

Model	Specification
8SMPMLC4044	4-channel analog output, voltage type, $\pm 10V/\pm 5V/0-10V/2-10V/0-5V/1-5V$, 16 bit
8SMPMLC4054	4-channel analog output, current type, 0-20mA/4-20mA, 16 bit
8SMPMLC4048	8-channel analog output, voltage type, $\pm 10V/\pm 5V/0-10V/2-10V/0-5V/1-5V$, 16 bit
8SMPMLC4058	8-channel analog output, current type, 0-20mA/4-20mA, 16 bit

Special Modules

Model	Specification
8SMPMLC3174	4-channel analog input, thermal resistance type
8SMPMLC3184	4-channel analog input, thermocouple type
8SMPMLC5002	2-channel counting input, incremental encoder or pulse direction, 5V

Power module

Model	Specification
8SMPMLC9002	Power expansion module, system power 5V/2A, power 24V/8A