

Schneider Series Service Manual

TSXP573623M

1. Description

The TSXP573623M is a versatile PLC from Schneider Electric's TSX Micro PLCs series. It features a significant discrete I/O processor capacity of 1024 I/O, complemented by a robust analog I/O processor capacity of 128 I/O, making it suitable for various automation tasks.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line TSX Micro PLCs
Part	Number TSXP573623M
Weight	1.00 lbs (0.45 kg)
Discrete	I/O Processor Capacity 1024 I/O
Analogue	I/O Processor Capacity 128 I/O
Max.	Size of Object Areas 30.5% MWi internal words, 32% KW ⁱ constant words, 16384% Mi internal bits
Instructions	per ms 4.49 Kinst/ms with PCMCIA card (100% Boolean), 6.57 Kinst/ms without PCMCIA card
Display	Block Multiple LEDs on the front panel
RESET	Button Triggers a cold start of the PLC
Process	Control Channels 15, supporting up to 45 simple loops
Memory	Description - Internal RAM (with PCMCIA card): 80 Kwords data
Integrated	Connection Type Ethernet TCP/IP (RJ45, 10/100 Mbit/s) and non-isolated serial link (2 female mini DIN, 19.2/115 kbit/s)
Communication	Module Processor Capacity 2 fieldbus modules (1 if CANopen is used), 8 AS-Interface bus modules
Execution	Time per Instruction - 0.12 µs for Boolean without PCMCIA card
PCMCIA	Slots 2 slots for memory and communication cards, or for a 384

3. Product Information

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Technical specifications for TSXP573623M

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Execution Time per Instruction - 0.12 µs for Boolean without PCMCIA card

PCMCIA Slots 2 slots for memory and communication cards, or for a 384 Kwords program memory extension card

Application Structure 1 master task, 1 fast task, 64 event tasks

Internal RAM 64Kwords for program and data

Number of Racks Supports up to 16 racks

Description

Schneider Electric's TSXP573623M PLC is engineered for effective control and automation. It can support up to 1024 discrete inputs and outputs alongside 128 analog I/O units, catering to diverse application needs. This device can handle significant memory with 64 Kwords for program and data storage without a PCMCIA card. When coupled with the PCMCIA card, the internal RAM expands to 80 Kwords, with the card capable of providing an extra 2688 Kwords of data storage.

Furthermore, this PLC processes instructions with an execution time of just 0.12 µs for Boolean operations without the PCMCIA card and 0.17 µs when the card is present. It has two PCMCIA slots for memory extensions or communication expansion. The TSXP573623M also boasts an extensive structure for handling tasks, with one master task, one fast task, and up to 64 event-driven tasks, ensuring efficient operation in complex scenarios. Additionally, up to 16 racks can be accommodated by the system, extending its capabilities for larger operations. It provides integrated Ethernet TCP/IP options and a non-isolated serial link for connectivity. The communication module can manage two fieldbus modules or eight AS-Interface bus modules, adaptable to numerous configurations. The unit also has a convenient RESET button for initiating a cold start, a feature designed for ease of use. Overall, this PLC combines advanced processing capabilities with flexible connectivity and is suitable for many industrial automation applications.

Packing Units

Unit Type of Package 1

PCE

Number of Units in Package 1

1

Package 1 Height

9.0 cm

Package 1 Width

18.0 cm

Package 1 Length

26.0 cm

Package 1 Weight

763.0 g