

Schneider Series Service Manual

TSXP571634

1. Description

The Schneider Electric TSXP571634 is a Unity Processor designed for robust automation tasks. It features the ability to handle up to 512 discrete I/O and 24 analogue I/O, enabling substantial data processing and control capabilities.

2. Specifications

Specification	Value
Manufacturer	Schneider Electric
Product	Line Modicon
Part	Number TSXP571634
Product	Unity Processor
Discrete	I/O Processor Capacity 512 I/O
Analogue	I/O Processor Capacity 24 I/O
Number	of Application-Specific Channels 8
Memory	Description Internal RAM (with PCMCIA card) 224 kB program, Internal RAM (with PCMCIA card) 96 kB data, Internal RAM (without PCMCIA card) 96 kB program and data
Current	Consumption 1650 mA
Input	Voltage 5VDC
Protection	Class IP20
Operating	Altitude 0 to 2000m
Ambient	Air Temperature for Operation 0 to 60 degrees Celsius
Ambient	Air Temperature for Storage -25 to 70 degrees Celsius

3. Product Information

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Technical specifications for TSXP571634

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Part Number TSXP571634

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Ambient Air Temperature for Storage -25 to 70 degrees Celsius

Description

The TSXP571634, belonging to Schneider Electric's Modicon series, serves as a powerful Unity Processor intended for automation control. This unit supports an extensive discrete I/O capacity, rated at 512 points, alongside 24 analogue I/O inputs. Such capacities make it suitable for a wide array of applications requiring extensive data interaction.

In terms of channel support, this processor includes eight application-specific channels to facilitate targeted operations. Memory resources are adequately provisioned, with internal RAM allowing up to 224 kB for program storage when utilizing a PCMCIA card. Additionally, it allocates 96 kB for data. If the PCMCIA card is not in use, the processor still provides 96 kB for both program and data requirements, ensuring the necessary space for vital operations.

This device operates with a current draw of 1650 mA and requires a 5V DC power supply, making it energy efficient while maintaining effective performance standards. Weighing 0.74 kg, it is compact and relatively lightweight for its capabilities.

The TSXP571634 is constructed with an IP20 protection class, suitable for environments where protection from solid objects is essential. In terms of operational altitude, it is rated for use up to 2000 meters. For ambient conditions, the processor can function reliably over a temperature range of 0 to 60 degrees Celsius, while it can safely be stored in temperatures between -25 and 70 degrees Celsius.