

Product data sheet

Specifications



double-format PL7 processor - Transparent Ready - 1440 mA

TSXP574823AMC

⚠ Discontinued on: Dec 31, 2017

⚠ To be end-of-service on: Dec 31, 2025

⚠ Discontinued

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Double-format PL7 processor
Software Designation	PL7 Junior/Pro

Complementary

Concept	Transparent Ready
Number Of Racks	16 4/6/8 slots 8 12 slots
Number Of Slots	128 96 64
Discrete I/O Processor Capacity	2040 I/O
Analogue I/O Processor Capacity	256 I/O
Number Of Application Specific Channel	64
Number Of Process Control Channel	20 up to 60 simple loops
Integrated Connection Type	Fipio manager (127 agents) SUB-D 9 Ethernet TCP/IP RJ4510/100 Mbit/s) Non isolated serial link 2 female mini DIN19.2/115 kbit/s)
Communication Module Processor Capacity	2 fieldbus modules (1 if CANopen used) 8 AS-Interface bus modules 1 CANopen 4 network module
Memory Description	Internal RAM (with PCMCIA card) 176 Kwords data Internal RAM (without PCMCIA card) 96 Kwords program and data PCMCIA card 2048 Kwords additional data storage PCMCIA card 992 Kwords program
Maximum Size Of Object Areas	30.5 %MWi internal words located internal data 32 %KWl constant words located internal data 32768 %Mi located internal bits
Application Structure	1 fast task 1 master task 64 event tasks
Execution Time Per Instruction	0.06 µs Boolean with PCMCIA card 0.06 µs Boolean without PCMCIA card 0.08 µs word or fixed-point arithmetic with PCMCIA card 0.08 µs word or fixed-point arithmetic without PCMCIA card 1.7 µs floating points with PCMCIA card 1.7 µs floating points without PCMCIA card

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Number Of Instructions Per Ms	13.82 Kinst/ms 100 % Boolean with PCMCIA card 13.82 Kinst/ms 100 % Boolean without PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 8.8 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card
System Overhead	0.22 ms fast task 1.15 ms master task
Marking	CE
Local Signalling	for Ethernet TCP/IP port ready (RUN) 1 LED (green) for processor running (RUN) 1 LED (green) for activity on Fipio bus (FIP) 1 LED (red) for collision detection (COL) 1 LED (red) for Ethernet TCP/IP port fault (ERR) 1 LED (red) for I/O module or configuration fault (I/O) 1 LED (red) for processor or system fault (ERR) 1 LED (red) for activity on the terminal port (TER) 1 LED (yellow) for Ethernet link diagnostics (STS) 1 LED (yellow) for reception activity (RX) 1 LED (yellow) for transmission activity (TX) 1 LED (yellow)
Current Consumption	1440 mA 5 V DC
Module Format	Double

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 142 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group D CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC IEC 61131-2 93/68/EEC 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group A UL 508
Product Certifications	BV RINA ABS GL DNV RMRS LR
Ambient Air Temperature For Operation	32...140 °F (0...60 °C)
Ambient Air Temperature For Storage	-13...158 °F (-25...70 °C)
Relative Humidity	10...95 % without condensation for operation 5...95 % without condensation for storage
Operating Altitude	0...6561.68 ft (0...2000 m)
Protective Treatment	Conformal coating Humiseal 1A33 TC
Ip Degree Of Protection	IP20
Pollution Degree	2

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
Gtin	3595863957600
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.74 in (9.5 cm)
Package 1 Width	7.09 in (18.0 cm)
Package 1 Length	10.24 in (26.0 cm)
Package 1 Weight	26.74 oz (758.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	4
Package 2 Height	11.81 in (30 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	7.82 lb(US) (3.547 kg)

Contractual warranty

Warranty	18 months
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Dimensions Drawings

Standard and Extendable Racks for Modules Mounting

Dimensions of Modules and Racks



- (1) With screw terminal block modules.
- (2) Maximum depth for all types of modules and their associated connectors.