Product data sheet

Specifications

Unity hot standby processor - 1 rack (6/8/12 slots) - 4 com module processor

TSXH5744MC

⚠ **Discontinued on:** Dec 31, 2017

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

⚠ **Discontinued - Service only**

Main

Range Of Product	Modicon Premium Automation platform
Product Or Component Type	Unity Hot Standby processor
Software Designation	Unity Pro

Complementary

Number Of Racks	1 6/8/12 slots
Number Of Slots	6 8 12
Discrete I/O Processor Capacity	2048 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	Non isolated serial link female mini DIN RS485)19.2 kbit/s) Ethernet TCP/IP RJ45 USB port USB type A12 Mbit/s)
Port Ethernet	10BASE-T/100BASE-TX
Communication Module Processor Capacity	4
Memory Description	Internal RAM (with PCMCIA card) 2048 kB program Internal RAM (with PCMCIA card) 440 kB data Internal RAM (without PCMCIA card) 440 kB program and data PCMCIA card 16384 kB additional data storage
Maximum Size Of Object Areas	32464 %MWi internal words located internal data 32760 %KWi constant words located internal data 440 kB data exchanged via CPU Sync link 8056 %Mi located internal bits Unlimited (DFB and EFB function blocks) unlocated internal data Unlimited (elementary and derived data) unlocated internal data
Application Structure	1 master task
Execution Time Per Instruction	0.039...0.057 µs Boolean without PCMCIA card 0.048...0.057 µs Boolean with PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic with PCMCIA card 0.054...0.073 µs word or fixed-point arithmetic without PCMCIA card 0.055...0.063 µs floating points with PCMCIA card 0.055...0.063 µs floating points without PCMCIA card
Number Of Instructions Per Ms	11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card 11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic without PCMCIA card 15.75 Kinst/ms 100 % Boolean with PCMCIA card 15.75 Kinst/ms 100 % Boolean 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.

System Overhead	1 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 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 TER or AUX 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	1880 mA 5 V DC
Module Format	Double
Net Weight	1.34 lb(US) (0.61 kg)

Environment

Standards	CSA C22.2 No 142 CSA C22.2 No 213 Class I Division 2 Group D UL 508 89/336/EEC CSA C22.2 No 213 Class I Division 2 Group B 73/23/EEC 92/31/EEC 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group A IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group C
Product Certifications	GL RMRS LR DNV RINA ABS BV
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	TC Conformal coating Humiseal 1A33
Ip Degree Of Protection	IP20
Pollution Degree	2

Ordering and shipping details

Category	22558-TSX PREMIUM, ATRIUM & PL7 PRO
Discount Schedule	PC22
Gtin	3595863960341
Returnability	No
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE

Life Is On | Schneider Electric

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	2.40 lb(US) (1.088 kg)
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	10.79 lb(US) (4.895 kg)

Contractual warranty

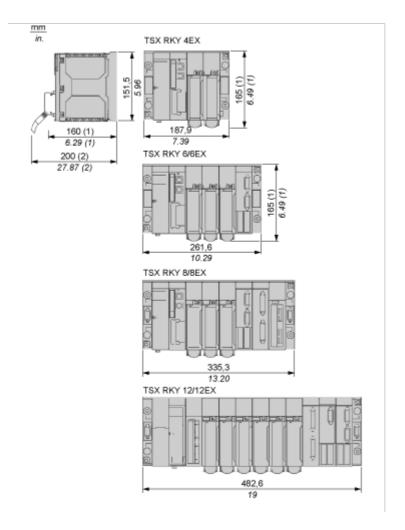|	
Warranty	18 months

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.