Product data sheet

Specifications

Unity hot standby processor, Modicon Premium, Unity Pro, 1880 mA at 5VDC, 1 master task

TSXH5744M

⚠ **Discontinued on:** Dec 31, 2018

⚠ **To be end-of-service on:** Dec 31, 2026

⚠ **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 12 8
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 connector (RS485) (19.2 kbit/s) Ethernet TCP/IP RJ45 connector USB port USB type A connector (12 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

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System Overhead	1 ms for master task
Marking	CE
Local Signalling	1 LED (green) for Ethernet TCP/IP port ready (RUN) 1 LED (green) for processor running (RUN) 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 (yellow) 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)
Current Consumption	1880 mA at 5 V DC
Module Format	Double
Net Weight	0.61 kg

Environment

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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	18.0 cm
Package 1 Length	26.0 cm
Package 1 Weight	1.095 kg

Contractual warranty

Warranty	18 months

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Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium 〉

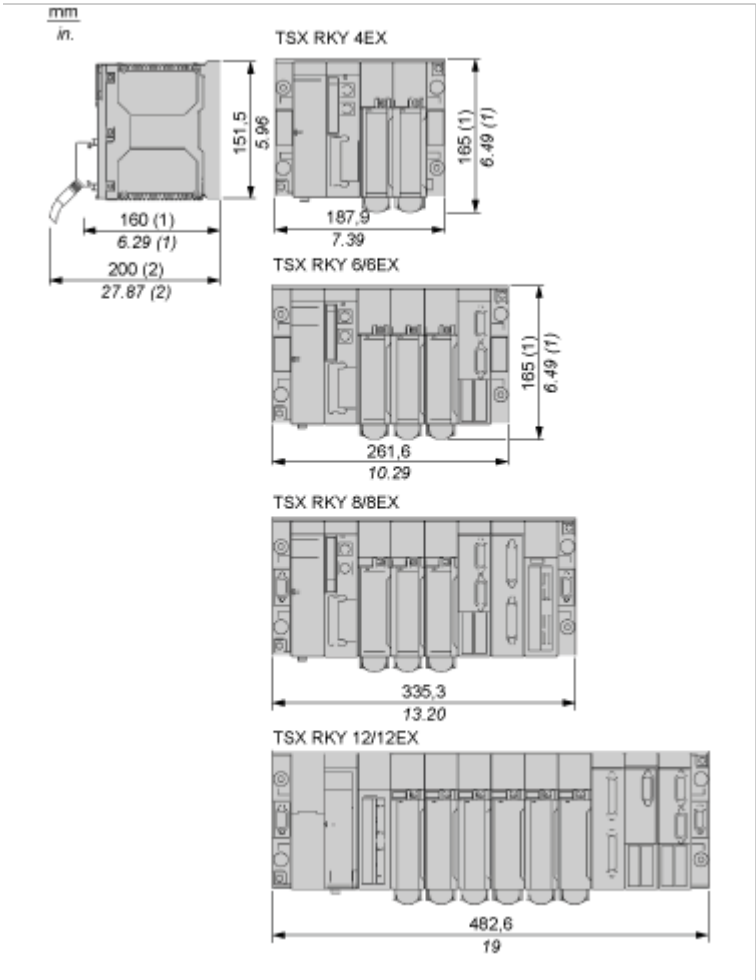Guide to assess a product's sustainability 〉

California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.For more information go to www.p65warnings.ca.gov

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.