

Product datasheet

Specifications



Unity hot standby processor - 1 racks(6/8/12 slots) - 2 com module processor

TSXH5724M

⚠ To be discontinued on: 31-Dec-2026

⚠ To be end-of-service on: 31-Dec-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 8 12
Discrete I/O Processor Capacity	1024 I/O
Analogue I/O Processor Capacity	80 I/O
Number Of Application Specific Channel	24
Number Of Process Control Channel	10 up to 30 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	2
Memory Description	Internal RAM (with PCMCIA card) 192 kB data Internal RAM (with PCMCIA card) 768 kB program Internal RAM (without PCMCIA card) 192 kB program and data PCMCIA card 16384 kB additional data storage
Maximum Size Of Object Areas	192 kB data exchanged via CPU Sync link 32464 %MWi internal words located internal data 32760 %KWi constant words located internal data 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

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

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	0.56 kg

Environment

Standards	CSA C22.2 No 213 Class I Division 2 Group D 92/31/EEC CSA C22.2 No 213 Class I Division 2 Group B UL 508 89/336/EEC 93/68/EEC CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 142 73/23/EEC IEC 61131-2 CSA C22.2 No 213 Class I Division 2 Group C
Product Certifications	RINA ABS LR RMRS DNV GL BV
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	1.08 kg
Unit Type Of Package 2	S04
Number Of Units In Package 2	6
Package 2 Height	30.0 cm

Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	7.427 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.