



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	12 6 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	Ethernet TCP/IP RJ45 USB port USB type A 12 Mbit/s Non isolated serial link female mini DIN RS485 19.2 kbit/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

System overhead	1 ms master task
Marking	CE
Local signalling	1 LED green Ethernet TCP/IP port ready (RUN) 1 LED green processor running (RUN) 1 LED red collision detection (COL) 1 LED red Ethernet TCP/IP port fault (ERR) 1 LED red I/O module or configuration fault (I/O) 1 LED red processor or system fault (ERR) 1 LED yellow activity on TER or AUX terminal port (TER) 1 LED yellow Ethernet link diagnostics (STS) 1 LED yellow reception activity (RX) 1 LED yellow transmission activity (TX)
Current consumption	1880 mA 5 V DC
Module format	Double
Product weight	0.61 kg

Environment

Standards	73/23/EEC 89/336/EEC 92/31/EEC 93/68/EEC CSA C22.2 No 142 IEC 61131-2 UL 508 CSA C22.2 No 213 Class I Division 2 Group A CSA C22.2 No 213 Class I Division 2 Group B CSA C22.2 No 213 Class I Division 2 Group C CSA C22.2 No 213 Class I Division 2 Group D
Product certifications	ABS BV DNV GL LR RINA RMRS
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

Offer Sustainability

RoHS (date code: YYWW)	Compliant - since 0951 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product end of life instructions	Need no specific recycling operations

Contractual warranty

Warranty period	18 months
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TSXH5744M is replaced by:



Standard environment BMEH584040

redundant HSBY processor module M580 - Level 4 - Remote

Qty 1

Reason for Substitution: End of life | Substitution date: 31 December 2018 | Not same dimensions/design - higher performances
