Product data sheet
Characteristics

TSXP574634MC
Unity processor - 8 racks (12 slots)/16 racks (4/6/8 slots) - 1880 mA 5 V DC

has not been replaced. Please contact your customer care center for more information.

⚠ Restricted Sales for Services

Main

Range of product	Modicon Premium Automation platform
Product or component type	Unity processor
Software designation	Unity Pro

Complementary

Concept	Transparent Ready
Number of racks	16 4/6/8 slots 8 12 slots
Number of slots	64 96 128
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	Non isolated serial link female mini DIN connector (RS485) (19.2 kbit/s) Ethernet TCP/IP RJ45 connector USB port (12 Mbit/s)
Port Ethernet	10BASE-T/100BASE-TX
Communication module processor capacity	4 1 3 8
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	32768 %Mi located internal bits 64 %KWi constant words located internal data 64 %MWi internal words located internal data Unlimited (DFB and EFB function blocks) unlocated internal data Unlimited (elementary and derived data) unlocated internal data
Application structure	64 event tasks 1 fast task 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

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| | 0.054...0.073 µs word or fixed-point arithmetic without PCMCIA card |
| | 0.55...0.63 µs floating points with PCMCIA card |
	0.55...0.63 µs floating points without PCMCIA card
Number of instructions per ms	11.4 Kinst/ms 65 % Boolean + 35 % fixed arithmetic with PCMCIA card
	15.75 Kinst/ms 100 % Boolean without PCMCIA card
System overhead	0.08 ms for fast task
	1 ms for 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 at 5 V DC
Module format	Double
Net weight	0.61 kg

Environment

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

Contractual warranty

Warranty	18 months