Farnell

Industrial Computing & PLC's

Accessories

■ Extension rack – 1 per PLC

Slot cover – protects the PLC from ingress of dirt etc. when slots are not utilised

Battery – provides backup for the PLC

					INC23	ŝ
	Mftrs.			Price Each		١
	List No.	Order Code	1+	5+	10+	ı
Extension rack - 2 slot	TSXRKZ02	321-5519				ı
Empty slot cover	TSXRKA01	321-5520				l
Lithium Battery	TSXPLP01	321-5532				

Micro Memory Cards

Telemecanique

Telemecanique

Modicon TSX Micro PLCs Memory expansion cards can be used to expand the memory of TSX3721 and TSX3722 PLCs from the 20Kwords standard memory to 64Kwords. These type 1 PCMCIA cards are available in RAM or Flash Prom format and simply plug into the front of the processor unit to expand the standard memory.

When only the standard base unit memory is used (20Kwords) then a memory backup card can be used to store a program, and/or reload the program at a remote location. This function is available without the need for a PC and automatically overwrites the existing RAM and Flash Prom, at the same time forcing the PLC into RUN mode.

					INC246
				Price Each	
	Mftrs. List No.	Order Code	1+	5+	10+
RAM	TSXMRP064P	321-5490			
Flash EPROM	TSXMFP064P	321-5507			
Backup Card	TSXMFPBAK032P	329-5734			

Communication Options

Telemecanique

The Modicon TSX Micro PLC can communicate via its programming port using the following protocols ASCII, Modbus Slave, Unitelway Master and Unitelway Slave.

The TSX3721 and TSX3722 Micro PLCs can also communicate via the addition of PCMCIA communications module which plugs into the PCMCIA port on the front of the PLC processor. These are available in the following formats

- RS232 Multiprotocol (ASCII, Unitelway Master, Unitelway Slave, Modbus Master, Modbus Slave, Jbus Master, Jbus Slave)
- RS485 / RS422 Multiprotocol (ASCII, Unitelway Master, Unitelway Slave, Modbus Master, Modbus Slave, Jbus Master, Jbus Slave)
- High Speed Modbus Plus Connection (1mb/s)

Each of these modules requires the corresponding cable

					1110242
				Price Each	
RS232	Mftrs. List No.	Order Code	1+	5+	10+
Module	TSXSCP111	321-5684			
Cablee	TSXSCPCD1030	321-5696			
RS485/422					
Module	TSXSCP114	321-5702			
Cables:					
RS485/422/Uni Telway	TSXSCPCM4030	321-5714			
RS485/422/Modbus/					
Jbus/ASCII	TSXSCPCM4030	321-5726			
Modbus Plus					
Module	TSXMBP100	321-5738			
Cables	TSXMBPCE030	321-5740			

PL7 Micro Programming Software

Telemecanique

The PL7 Micro programming software package for the Modicon TSX Micro PLC is supplied complete with the interface cable to connect between the PC and PLC, programming manuals on CD ROM, and the software on CD ROM. This simple user friendly software package is IEC 1131-3 compliant, and offers programming in Ladder Logic, Instruction List, or Sequential Function Chart. The software enables the user to program in Windows 95, 98 or NT4.0 environment and offers complete program transfer, debug, and monitoring facilities for the PLC application, ensuring swift, programming, diagnostics, and commissioning.

An important benefit of this software package is the ease of configuration and programming of an AS-i bus, where no complex code is required. The bus is simply configured, and the nodes selected from a list, and then the I/O point programming is done using standard Ladder Logic Contacts and Coils.

- IEC 1131-3 compliant
- Easy graphical configuration
- Full programming in Ladder Logic, Instruction List or Sequential Function Chart
- Full monitoring facilities in Ladder Logic Instruction List or Sequential Function Chart
- Ability to document program with both Symbols, Addresses, and Rung Comments
- Ability to force I/O and Data
- Ability to divide program into multiple sections if required
- Full transfer facilities between PC and PLC RAM and Flash Prom
- Includes connection cable, disks, and manual

Program loader, ${\bf Order\ Code\ 321\text{-}5192},\ {\bf can\ also}\ {\bf be}\ {\bf used\ with\ the\ Micro\ (up\ to\ 16K\ words)}.$

Price Each

Mftrs. List No. Order Code 1+ 5+ 10+

TLXCDPL7MP33M 321-5775

Omron PLCs

Micro PLCs - 'CPM1A' Series





The new 'CPM1A' series micro PLC from Omron offers exceptional functionality. Expandable up to 100 I/O and with analogue capability, the 'CPM1A' series is ideally suited to both basic and more advanced applications. Available with relay and transistor outputs and with AC and DC supply, the 'CPM1A' series is available in 10, 20, 30 & 40 I/O with 20 I/O and analogue expandability.

Features Include:

- Flash memory no need for batteries
- Analogue timers
- High speed counters
- 2K program memory
- Password security access
- Built in 24Vdc service supply
 User definable RS232 port -
- User definable RS232 port -(Adaptor required)
- Interrupt Processing
- Input filters
- Large instruction set -including Arithmetic

DC models

- 128 timers/counters
- Pulse output function
- 1000 Data Registers
- UL & CSA approved

Specifications: Supply/voltage On board DC service supply Inputs Relay output

PNP transistor outputs

85-264 VAC, 50/60 Hz or 20.4 - 26.4 VDC 200mA (10/20 I/O): 300mA (30/40 I/O) 24 VDC, 5mA, Opto isolated NPN/PNP configurable Volt free 2A, 250V AC: 2A, 24 VDC 24 VDC, 0.3A/point

Difficitoro	110.			10 1110000			DO IIIOGOIO	
			Н	W	D	Н	W	D
10 I/O	6 Inputs	4 Outputs	90	66	85	90	66	50
20 I/O	12 Inputs	8 Outputs	90	86	85	90	86	50
30 I/O	18 Inputs	12 Outputs	90	130	85	90	130	50
40 I/O	24 Inputs	16 Outputs	90	150	85	90	150	50
Mftrs. List No: CPM1A-10CDR-A = 1' CPM1A-30CDR-A = 1'				M1A-20CD M1A-40CD				

CPM1A-10CDR-A = 199-783, CPM1A-20CDR-A = 199-795, CPM1A-40CDR-A = 199-801, CPM1A-40CDR-A = 199-813, CPM1A-10CDT-D = 199-825, CPM1A-20CDR-D = 199-849, CPM1A-30CDR-D = 199-862, CPM1A-30CDT1-D = 199-850, CPM1A-40CDT1-D = 199-898, CPM1A-40CDT1-D = 199-898

				Price Each	
Туре	Outputs	Order Code	1+	5+	10+
AC Units					
101/0	Relay	199-783			
201/0	Relay	199-795			
301/0	Relay	199-801			
401/0	Relay	199-813			
DC Units					
101/0	Relay	199-825			
101/0	PNP	199-837			
201/0	Relay	199-849			
201/0	PNP	199-850			
301/0	Relay	199-862			
30/1/0	PNP	199-874			
401/0	Relay	199-886			
401/0	PNP	199-898			

continued

Open Late!

Don't forget we're here to take your orders, From 8.30am to 6.30pm Mon - Fri and from 9am to 12pm on Saturday.