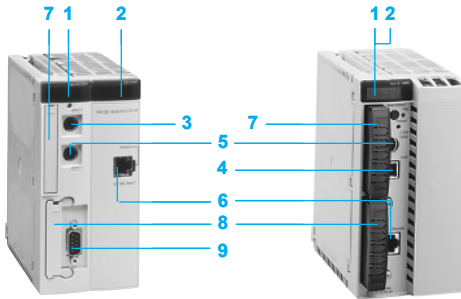


Transparent Ready Controllers and PLCs Modicon Premium Processors with integrated Ethernet port



Description

TSX P57 1634M, TSX P 26●●/2823/36●●/4634/4823/5634M double format processors (1) with built-in Ethernet port include the following on the front panel:

- 1 A display block with 5 LEDs relating to the processor.
- 2 A display block relating to the built-in Ethernet port.
- 3 An 8-way female mini-DIN connector marked TER for connecting a programming or adjustment terminal.
- 4 A USB connector marked TER for connecting a programming or adjustment terminal.
- 5 An 8-way female mini-DIN connector marked AUX for connecting an RS 485 peripheral device.
- 6 A standard (RJ45) connector for 10BASE-T/100BASE-TX interface.
- 7 A slot for a PCMCIA memory extension card.
- 8 A slot for a PCMCIA communication or data storage memory extension card.
- 9 A 9-way SUB-D connector (on TSX P57 2823/4823M models) for Fipio bus manager link.

Characteristics

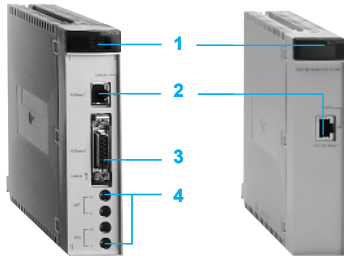
Type of module	Unity Pro software PL7 Pro software	TSX P57 1634M	TSX P57 2634M TSX P57 2p23M	TSX P57 3634M TSX P57 3624M	TSX P57 4634M TSX P57 4823M	TSX P57 5634M
Transparent Class		B30				
Ready services	Standard Web server	"Rack Viewer" access to the product description and status and to the PLC diagnostics "Data editor" access to the configuration functions and PLC variables				
	Standard Ethernet TCP/IP communication service	Modbus TCP messaging (read/write data words)				
	Ethernet TCP/IP advanced communication services	I/O Scanning Global Data FDR server SMTP E-mail notification SNMP network administrator Pass band management				Yes (between 64 stations) Yes Automatic assignment of IP address and network parameters Yes Yes Yes
Structure	Physical interface	10BASE-T/100BASE-TX (RJ45)				
	Data rate	10/100 Mbps with automatic recognition				
	Medium	Twisted pair				
Premium processor	No. of discrete I/O	512	1024		2048	
	No. of analog I/O	24	80	128	256	512
	No. of application-specific channels	8	24	32	64	
	Max. no. of network connections (including integrated link)	1		3	4	5
	Other TCP/IP communication service	Uni-TE TCP X-Way	Client/server requests: 128 bytes in synchronous mode and 1 Kb in asynchronous mode Yes			
	Operating temperature	0...+ 60°C				
	Relative humidity	10...95% non condensing during operation				
	Degree of protection	IP 20				
	Power supply	Via the power supply of the rack supporting the processor				
	Conformity to standards	IEC/EN 61131-2, UL 508, CSA 1010-1, FM Class 1 Division 2 Group A/B/C/D, CE				
	LED indicators	Ethernet network status (RUN), transmission/reception activity (TX/RX) Collision detection (COL), Ethernet link diagnostics (STS), Ethernet port fault (ERR) 5 LEDs specific to the operation of the processor (RUN, ERR, I/O, TER and FIP)				

References



Description	Discrete I/O Analog I/O App-sp. chann.	Reference		Weight kg
		Unity software	PL7 software	
Processors with integrated Ethernet link	512 / 24 / 8	TSX P57 1634M	–	0.042
	1024 / 80 / 24	TSX P57 2634M	TSX P57 2623M	0.042
Class B30		–	TSX P57 2823M	(2)
	1024 / 128 / 32	TSX P57 3634M	TSX P57 3623M	0.042
	2048 / 256 / 64	TSX P57 4634M	TSX P57 4823M	(2) 0.042
	2048 / 512 / 64	TSX P57 5634M	–	

(1) Except TSX P57 1634M processor, single format.
(2) Also has an integrated Fipio bus manager link.



Presentation

TSX ETY ●●● modules are single format modules which are installed in a rack slot on Modicon Premium PLC stations or Modicon Atrium coprocessors. A configuration can take from 1 to 4 network modules, depending on the type of processor. TSX ETY 110/110 WS/4103/5103 Ethernet modules route X-Way and Uni-TE messages transparently from a TCP/IP network to an X-Way network and vice versa.

Description

The front panel of TSX ETY ●●● modules comprises:

- 1 A display block indicating the state of the module.
- 2 A standard connector for 100BASE-TX and/or /100BASE-T interface (RJ45) depending on the model.
- 3 A standard connector for 10BASE5 interface (AU1).
- 4 Four thumbwheels for defining the station number and network number.

Characteristics

Type of module		TSX ETY 110	TSX ETY 110 WS	TSX ETY 4103	TSX ETY 5103	TSX WMY 100M
Transparent Ready services	Class	A10	C10	B30	C30	D10
	Standard Web server	–	"Rack Viewer" access to the product description and status and to the PLC diagnostics "Data editor" access to the configuration functions and variables			
	FactoryCast configurable Web server	–	Yes	–	Yes	–
	User Web pages (available size)	–	Yes (1.4 Mb)	–	Yes (8 Mb)	–
	FactoryCast HMI active Web server	–	–	–	–	Yes (1)
	Standard Ethernet TCP/IP communication services	Modbus TCP messaging (read/write data words)				
	Ethernet TCP/IP advanced communication services	I/O Scanning	–	Yes (between 64 stations)	–	–
		Global Data	–	Yes	–	–
		FDR server	–	Automatic assignment of IP address and network parameters	–	–
		NTP time synchronization	–	Yes	–	–
		SMTP e-mail notification	–	Yes	–	–
		SNMP network administrator	SNMP agent			
		TCP Open	–	Option	–	Option
		Pass band management	–	Yes	–	–
Structure	Physical interface	10BASE-T (RJ45)/10BASE5 (AU1)		10BASE-T/100BASE-TX (RJ45)		
	Data rate	10 Mbps		10/100 Mbps with automatic recognition		
	Medium	Twisted pair/AUI cable		Twisted pair		
Network module	Operating temperature	0...+ 60°C				
	Relative humidity	10...95% non condensing during operation				
	Degree of protection	IP 20				
	Power supply	Via the power supply of the rack supporting the processor				
	Other TCP/IP communication service	Uni-TE TCP	Client/server requests: 128 bytes in synchronous mode and 1 Kb in asynchronous mode			–
		Ethway/X-Way	Uni-TE, common words			–
	Conformity to standards	IEC/EN 61131-2, UL 508, CSA 1010-1, FM Class 1 Division 2 Group A/B/C/D, CE				
	LED indicators	Ethernet network status (RUN), transmission/reception activity (TX/RX) Collision detection (COL), Ethernet port fault (ERR)				

References



TSX ETY 110/110 WS

TSX ETY ●103/WMY 100

Description	Data rate	Transparent Ready class	Reference	Weight kg
Ethernet TCP/IP modules	10 Mbit/s	A10	TSX ETY 110	0.370
		C10	TSX ETY 110 WS	0.370
	10/100 Mbit/s	B30	TSX ETY 4103	0.340
		C30	TSX ETY 5103	0.340
		D10	TSX WMY 100	0.340
FactoryCast HMI software	HMI application development and debugging in TSX WMY 100		TLX CD FCHMI V1M	–
TCP Open software (2)	SDKC, C language development TCP Open function block library		TLX LSDKC PL741M TLX CD TCPA33E	–

(1) Database management, arithmetic and logic calculations, automatic e-mail transmission on process event, connection to relational databases.

(2) With TSX ETY 110 WS and TSX ETY 5103 modules.