



Network Interfaces

RSTi offers a wide range of network interfaces for Ethernet, Fieldbuses and serial networks. The network independence of the RSTi enables user to be flexible on system layouts.

	STXMBS002	STXECT001	STXEIP001	STXMBE001
Product Name	Slave Network Interface	Slave Network Interface	Slave Network Interface	Slave Network Interface
Lifecycle Status	Active	Target Release July 2013	Target Release July 2013	Active
Module Type	Slave Network Interface	Slave Network Interface	Slave Network Interface	Slave Network Interface
Field Busses/Device Networks	Modbus RS-485	EtherCAT Ethernet	Ethernet/IP Ethernet	Modbus TCP Ethernet
Protocol Supported	RTU and ASCII	EtherCAT	16 IO message connections 64 CIP connections 64 Explicit message connections	8 Modbus/TCP, 4 HTTP, BOOTP, TBD
Features	Built-in Ethernet Switch			
Baud Rate	1200 to 115.2Kbps	100Mbps	10/100Mbps	10/100Mbps
I/O Data Size	Total: Inputs 252bytes/ Outputs 252bytes	Total: Inputs 252bytes/ Outputs 252bytes	Total: Inputs 252bytes/ Outputs 252bytes	Total: Inputs 252bytes/ Outputs 252bytes
LEDs	Module Status Transmit Data Received Data Expansion Module Status Field Power Status	Module Status Network Status Expansion Module Status Field Power Status	Module Status Network Status I/O Status Link Activity Field Power Status	Module Status Network Status I/O Status Link Activity Field Power Status
Diagnostic Supported	Yes	Yes	Yes	Yes
Maximum Bus Length	1200 meters	100 meters between EtherCAT nodes	100 meters between nodes	100 meters between nodes
Maximum Number of Nodes Supported	64	65,535	Limited by the IP address	Limited by the IP address
Number of Expansion I/O Supported	32	32	32	32
Interface Connector Type	DB 9 connector (RS-485)	Two RJ-45 with built-in switch	One RJ-45	One RJ-45
Configuration Tool	I/O Guide Pro	I/O Guide Pro	EDS File	I/O Guide Pro
Field Power Requirement	24 VDC (11 VDC to 28.8 VDC)	24 VDC (16 VDC to 28.8 VDC)	24 VDC (11 VDC to 28.8 VDC)	24 VDC (11 VDC to 28.8 VDC)
Power Dissipation	70 mA typical @ 24 VDC	100 mA typical @ 24 VDC	60 mA typical @ 24 VDC	60 mA typical @ 24 VDC
Internal Power Used (5 VDC loading)	1.5 A @ Maximum 5 VDC	1.5 A @ Maximum 5 VDC	1.5 A @ Maximum 5 VDC	1.5 A @ Maximum 5 VDC
Dimensions (H x W x D) in mm	99 x 45 x 70	99 x 54.2 x 70	99 x 45 x 70	99 x 45 x 70