



Network Interfaces

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

	STXPNS001	STXPBS001	STXDNS001	STXCAN001	STXMBS001
Product Name	Slave Network Interface	Slave Network Interface	Slave Network Interface	Slave Network Interface	Slave Network Interface
Lifecycle Status	Active	Active	Active	Active	Active
Module Type	Slave Network Interface	Slave Network Interface	Slave Network Interface	Slave Network Interface	Slave Network Interface
Field Busses/Device Networks	PROFINET Ethernet	PROFIBUS V1	DeviceNet	CANopen	Modbus RS-232
Protocol Supported	PROFINET RT	Freeze mode Sync mode Auto baud rate Fail safe mode	I/O Slave Message (Group 2 only slave) Poll command. Bit_strobe command Cyclic command, COS command		RTU and ASCII
Features	Line or Star topology Built-in Ethernet Switch				
Baud Rate	100Mbps	9.6K to 12Mbps	125K bits/s, 250Kbps, 500Kbps (Auto baud rate selection)	10KBps to 1Mbps	1200 to 115.2Kbps
I/O Data Size	Total: Inputs 128bytes/ Outputs 128bytes	Total: Inputs 128bytes/ Outputs 128bytes	Total: Inputs 252bytes/ Outputs 252bytes Max. Discrete I/O: 2016 Inputs/2016 Outputs Max. Analog I/O: 126 Inputs/126 Outputs	Total: Inputs 64 bytes/ Outputs 64 bytes	Total: Inputs 252bytes/ Outputs 252bytes
LEDs	Module Status Network Status I/O Status Port 1 Link Activity Port 2 Link Activity Field Power Status	Module Status Network Status Expansion Module Status Field Power Status	Module Status Network Status Expansion Module Status Field Power Status	Module Status Network Status Expansion Module Status Field Power Status	Module Status Transmit Data Received Data Expansion Module Status Field Power Status
Diagnostic Supported	Yes	Yes	Yes	Yes	Yes
Maximum Bus Length	100 meters between nodes	100 meters to 1.2Km depending on baud rate	Up to 500 meters depending on baud rate		15 meters
Maximum Number of Nodes Supported	Limited by the IP address	100	64	99	1
Number of Expansion I/O Supported	32	32	32	32	32
Interface Connector Type	Two RJ-45 with built-in switch	DB 9 connector (RS-485)	5 pin connector	5 pin connector	DB 9 connector (RS-232)
Configuration Tool	Proficy Machine Edition or GSDML	GSM File	EDS File	EDS File	I/O Guide Pro
Field Power Requirement	24 VDC (11 VDC to 28.8 VDC)	24 VDC (11 VDC to 28.8 VDC)	24 VDC (11 VDC to 28.8 VDC)	24 VDC (11 VDC to 28.8 VDC)	24 VDC (11 VDC to 28.8 VDC)
Power Dissipation	115 mA typical @ 24 VDC	60 mA typical @ 24 VDC	300 mA typical	100 mA typical @ 24 VDC	70 mA typical @ 24 VDC
Internal Power Used (5 VDC loading)	1.5 A @ Maximum 5 VDC	1.5 A @ Maximum 5 VDC	1.2 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 45 x 70	99 x 42 x 70	99 x 42 x 70	99 x 45 x 70