

Part Numbers:

Network Interface Units (*Check release date)

STXPNS001	PROFINET RT Network Adapter	STXMBE001*	MODBUS/TCP network adapter
STXPBS001	PROFIBUS DP/V1 network adapter	STXECT001*	EtherCAT Network Adapter
STXDNS001*	DeviceNet network adapter	STXEIP001*	EtherNet/IP Network Adapter
STXMS001*	MODBUS RS-232C network adapter	STXCAN001*	CANopen network adapter
STXMS002*	MODBUS RS-485 network adapter	STXCCL001*	CC-link network adapter

Discrete Inputs

ST-1124	4 points, Negative Logic 5VDC	ST-1218	8 points, Positive Logic, 12V/ 24VDC
ST-1114	4 points, Positive Logic 5VDC	ST-1228	8 points, Negative Logic, 12V/ 24VDC
ST-1214	4 points, Positive Logic, 12V/ 24VDC	ST-121F	16 points, Positive Logic, 12V/ 24VDC (Requires connector Type Hirose , HIF3BA-20D-2.54C)
ST-1224	4 points, Negative Logic, 12V/ 24V DC	ST-122F	16 points, Negative Logic, 12V/ 24VDC (Requires connector Type Hirose , HIF3BA-20D-2.54C)
ST-1314	4 points, Positive Logic, 48V DC	ST-1804	4 points, 110V AC (AC 85V ~ 132V)
ST-1324	4 points, Negative Logic, 48VDC	ST-1904	4 points, 220V AC (AC 170V ~ 264V)
ST-131F	16 points, Positive Logic, 48VDC (Requires connector Type Hirose , HIF3BA-20D-2.54C)		

Digital Outputs

ST-2114	4 points, TTL, 5VDC/20mA Inverting	ST-2318	8 points, Negative Logic, 24VDC/ 0.5A
ST-2124	4 points, TTL, 5VDC/20mA Non inverting	ST-2328	8 points, Positive Logic, 24VDC/ 0.5A
ST-2314	4 points, Negative Logic, 24VDC/ 0.5A	ST-221F	16 points, Negative Logic, 24VDC/ 0.3A (Requires connector Type Hirose , HIF3BA-20D-2.54C)
ST-2324	4 points, Positive Logic, 24VDC/ 0.5A	ST-222F	16 points, Positive Logic, 24VDC/ 0.3A (Requires connector Type Hirose , HIF3BA-20D-2.54C)
ST-2414	4 points, Negative Logic, Diagnostics, 24VDC/ 0.5A	ST-2742	Isolated Relay Output 2 points, 230V AC/ 2A
ST-2424	4 points, Positive Logic, Diagnostics, 24VDC/ 0.5A	ST-2744	Isolated Relay Output 4 Points, 230V AC/ 2A
ST-2514	4 points, Negative Logic, Diagnostics, 24VDC/ 2A	ST-2748	Isolated Relay Output 8 Points, 230V AC/ 2A
ST-2524	4 points, Positive Logic, Diagnostics, 24VDC/ 2A	ST-2792	Relay Output 2 points, 230V AC/ 2A, Manual
ST-2614	4 points, Negative Logic, 24VDC/ 2A	ST-2852	Triac Output 2 points, 12V ~ 125VAC/ 0.5A
ST-2624	4 points, Positive Logic, 24VDC/ 2A		

Analog Inputs

ST-3114	4 Channels, 0~20mA, 12-bit	ST-3524	4 Channels, -10~+10Vdc, 12-bit
ST-3118	8 Channels, 0~20mA, 12bit	ST-3544	4 Channels, -10~+10Vdc, 14-bit
ST-3134	4 Channels, 0~20mA, 14-bit	ST-3624	4 Channels, 0~5Vdc, 12-bit
ST-3214	4 Channels, 4~20mA, 12-bit	ST-3644	4 Channels, 0~5Vdc, 14-bit
ST-3218	8 Channels, 4~20mA, 12bit	ST-3702	2 Channels, RTD
ST-3234	4 Channels, 4~20mA, 14-bit	ST-3704	4 Channels, RTD (Requires connector Type Hirose , HIF3BA-20D-2.54C)
ST-3274	4 Channels, 4~20mA, 12-bit, (Requires Sensor Connect 3M Mini-Clamp Plug, 37104 Series)	ST-3708	8 Channels, RTD Connector Type (Requires connector Type Hirose , HIF3BA-20D-2.54C)
ST-3424	4 Channels, 0~10Vdc, 12-bit	ST-3802	2 Channels, Thermocouple
ST-3428	8 Channels, 0~10V, 12bit	ST-3804	4 Channels, Thermocouple Connector Type (Requires connector Type Hirose , HIF3BA-20D-2.54C)
ST-3444	4 Channels, 0~10Vdc, 14-bit	ST-3808	8 Channels, Thermocouple Connector Type (Requires connector Type Hirose , HIF3BA-20D-2.54C)

Analog Output

ST-4112	2 Channels, 0~20mA, 12-bit	ST-4424	4 Channels, 0~10Vdc, 12bit
ST-4114	4 Channels, 0~20mA,, 12bit	ST-4474	4 Channels, 0~10Vdc, 12bit, (Requires Sensor Connect 3M Mini-Clamp Plug, 37104 Series)
ST-4212	2 Channels, 4~20mA, 12-bit	ST-4491	1 Channel, 0~10V, 12bit, Manual type
ST-4214	4 Channels, 4~20mA, 12bit	ST-4522	2 Channels, -10~+10Vdc, 12-bit
ST-4274	4 Channels, 4~20mA, 12bit, (Requires Sensor Connect 3M Mini-Clamp Plug, 37104 Series)	ST-4622	2 Channels, 0~5Vdc, 12-bit
ST-4422	2 Channels, 0~10Vdc, 12-bit	ST-4911	1 Channel, 0~1 A, 12bit

PID Loop Controllers (*Check release date)

ST-3814*	1 Loop PID Controller 4 Channels, TC, Temp. Controller, SSR out (DeviceNet only)	ST-3714*	1 Loop PID Controller 4 Channels, RTD, Temp. Control, SSR Out (DeviceNet only)
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ST-3834*	1 Loop PID Controller 4 Ch. TC, Temp. Controller, Current out (DeviceNet only)	ST-3734*	1 Loop PID Controller 4 Ch, RTD, Temp. Control, Current Out (DeviceNet only)
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Serial Interface Modules (ASCII)

ST-5211	Serial Interface RS-232C, 1 Channel	ST-5232	Serial Interface RS-485, 2 Channels
ST-5212	Serial Interface RS-232C, 2 Channels	ST-5252	Serial Interface RS-232 , 2 Channels,32 Bytes
ST-5221	Serial Interface RS-422, 1 Channel	ST-5272	Serial Interface RS-485, 2 Channels,32 Bytes
ST-5231	Serial Interface RS-485, 1 Channel		

Motion Modules

ST-5101	High Speed Counter, 1 Channel, 5VDC 1.5MHz	ST-5442	2 Channel, PWM Out, 0.5A/24V, Positive Logic, 2.5Khz
ST-5111	High Speed Counter, 1 Channel, 24VDC 1.5MHz	ST-5444	PWM Out, 0.5A/24V, Positive Logic, 4 Channels, 2.5Khz
ST-5112	High Speed Counter, 2 Channel, 24VDC,100Khz	ST-5641	1 Channel, Pulse Out, 0.5A/24V, Positive Logic, 20Khz
ST-5114	High Speed Counter, 4 Channel, 24VDC, 50Khz	ST-5642	2 Channel, Pulse Out, 0.5A/24V, Positive Logic, 20Khz
ST-5351	SSI Interface 1 CH; 62.5K, 100K, 125K, 250K, 500K, 1M, 2Mbps	ST-5651	1 Channel, Pulse Out, 0.5A/5V (RS422), 20Khz
ST-5422	PWM Out, 2A/24V, Positive Logic, 2 Channels 2.5Khz		

System Modules

(Modules with ID type occupy 1 of the 32 available module ID addresses and will appear in the hardware configuration. The modules without ID support will not occupy a module address and will not appear in the hardware configuration.)

ST-7008	Shield termination module, 8 points, 10A No LED	ST-7588	0VDC and 24VDC 4 points distribution module for field devices ID type with status LEDs (ID type uses module address)
ST-7408	Shield termination module, 8 points, 10A, ID type with LED (ID type uses module address)	ST-7111	5VDC bus booster, 24VDC in
ST-7108	0VDC distribution module for field devices, 8 points, 10A	ST-7511	5VDC bus booster, 24VDC in with LED ID type (ID type uses module address)
ST-7508	0VDC distribution module for field devices, 8 points, 10A with LED (ID type uses module address)	ST-7241	Isolated Field Power Distribution, 5 VDC, 24VDC, 48VDC, 120/240VAC 10 Amp no LED status
ST-7118	24VDC distribution module for field devices, 8 points, 10A	ST-7641	Isolated Field Distributor 5 VDC, 24VDC, 48VDC, 120/240VAC, 10 amp with LED status ID type (ID type uses module address)
ST-7518	24VDC distribution module for field devices, 8 points, 10A ID type with status LEDs (ID type uses module address)	ST-5725	Extension IO, Master (Tx). Up to 3 master/slave combinations supported. Maximum 300 meters. Only one slave supported per master module.
ST-7188	0VDC and 24VDC 4 points distribution module for field devices	ST-5726	Extension IO, Slave (Rx). Each Slave requires a Master module.

Profibus Network Interface with built-in I/O (Up to 8 expansion modules supported) (* Check release date)

STXPBS032	24VDC Positive Logic input, 32 points	STXPBS432	16 24VDC Positive Logic input and 16 24VDC Positive Logic output
STXPBS132	24VDC Negative Logic input, 32 points	STXPBS532	16 24VDC Negative Logic input and 16 24VDC Negative Logic output
STXPBS232	24VDC Negative Logic output, 32 points	STXPBS824	16 24VDC Positive Logic input and 16 relay output
STXPBS332	24VDC Positive Logic output, 32 points	STXPBS924	16 24VDC Negative Logic input and 16 relay output
STXPBS016	Relay output, 16 points	STXPBS825	16 24VDC Positive Logic input and 16 isolated relay output
STXPBS116	Relay output, 16 points, isolated	STXPBS925*	16 24VDC Negative Logic input and 16 isolated relay output

DeviceNet Network Interface with built-in I/O (Up to 10 expansion modules supported) (* Check release date)

STXDNS032*	24VDC Positive Logic input, 32 points	STXDNS532*	16 24VDC Negative Logic input and 16 24VDC Negative Logic output
STXDNS132*	24VDC Negative Logic input, 32 points	STXDNS824*	16 24VDC Positive Logic input and 16 relay output
STXDNS232*	24VDC Negative Logic output, 32 points	STXDNS924*	16 24VDC Negative Logic input and 16 relay output
STXDNS332*	24VDC Positive Logic output, 32 points	STXDNS825*	16 24VDC Positive Logic input and 16 isolated relay output

STXDNS016*	Relay output, 16 points	STXDNS925*	16 24VDC Negative Logic input and 16 isolated relay output
STXDNS116*	Relay output, 16 points, isolated	STXDNS032*	24VDC Positive Logic input, 32 points
STXDNS432*	16 24VDC Positive Logic input and 16 24VDC Positive Logic output	STXDNS132*	24VDC Negative Logic input, 32 points

DeviceNet Network Interface with built-in I/O (No expansion modules supported) (* Check release date)

STXDNC032*	24VDC Positive Logic input, connector, 32 points	STXDNC432*	16 24VDC Positive Logic input and 16 24VDC Positive Logic output connector type
STXDNC132*	24VDC Negative Logic input, connector, 32 points	STXDNC532*	16 24VDC Negative Logic input and 16 24VDC Negative Logic output connector type
STXDNC232*	24VDC Negative Logic output, connector type, 32 points	STXDNC632*	16 24VDC Positive Logic input and 16 24VDC Negative Logic output connector type
STXDNC332*	24VDC Positive Logic, connector type, 32 points	STXDNC732*	16 24VDC Negative Logic input and 16 24VDC Positive Logic output connector type

Accessories

STXACC004	End Module, 7pcs (End module ships with Network Interface)	STXACC001	Marker with numbers 100pcs
STXRTB009	Removable Terminal Block, 9pcs (Modules ship with terminal block except connector style.)	STXACC002	Blank markers 100pcs

Typical Configuration Example:

Requirement: PROFINET network connection, (24) 24VDC positive logic inputs, (12) 24VDC Positive Logic, 0.5 amp outputs, (4) analog inputs 4-20mA, (2) analog outputs 4-20mA, (6) 120VAC inputs

QTY	Part Number	Description	Comments
1	STXPNS001	PROFINET RT Network Adapter	Supports up to 32 modules with built-in Ethernet switch (ring topology not supported)
3	ST-1218	8 points, Positive Logic 12V/ 24VDC inputs	Includes terminal block
1	ST-2328	8 points, Positive Logic, 24VDC/ 0.5A outputs	Includes terminal block
1	ST-2324	4 points, Positive Logic, 24VDC/ 0.5A outputs	Includes terminal block
1	ST-3214	4 Channels, 4~20mA, 12-bit in	Includes terminal block
1	ST-4212	2 Channels, 4~20mA, 12-bit out	Includes terminal block
1	ST-7408	Shield module, ID type with LED (ID type uses module address)	Optional Shield module for analog modules.
1	ST-7641	Power distribution module 5, 24, 48, AC , 10 amp with LED status ID type (ID type uses module address)	The ST-7641 is needed to support the 120VAC input module ST-1804. All modules to the right of the ST-7641 will be 120VAC unless a ST-7641 is installed to switch the bus voltage.
2	ST-1804	4 points, 110V AC (AC 85V ~ 132V) inputs	Includes terminal block

Notes:

- A. The total number of modules used is 11 (ST-7408 and ST-7641 occupy a module address)
- B. The above configuration only requires 177mm width by 70mm deep and 99mm high. (6.97 in. W x 2.76 in. D x 3.9 in. H)