



“Industrial Communication Solution”

2013 Product Catalog

SiboTech Automation

SiboTech Gateway Selection Guide

SiboTech Gateway	EtherNet IP Server	Modbus TCP Client	Modbus TCP Server	PROFIBUS DP Slave	DeviceNet Slave	DeviceNet Master	CANopen Master	CANopen Slave	CAN2. 0A /2. 0B	Modbus Master	Modbus Slave	HART Master	RS485/RS422 /RS232
EtherNet IP Server				EPS-320IP			ENC-310		ENC-311	ENB-301MI /ENB-302MI			
Modbus TCP Master				EP-321MP							ENB-301MT /ENB-302MT		
Modbus TCP Slave				EP-321MP			ENC-316			ENB-301MT /ENB-302MT		HME-635	
PROFIBUS DP Slave	EPS-320IP	EP-321MP	EP-321MP		PD-100S	PD-100	PCO-150	PCO-150S	PCA-100	PM-160 /PM-127	PM-160 /PM-127		PM-160
DeviceNet Slave				PD-100S						MD-210			MD-21T
DeviceNet Master				PD-100									
CANopen Master	ENC-310		ENC-316	PCO-150							MCO-242		
CANopen Slave				PCO-150S						MCO-241			
CAN2. 0A /2. 0B	ENC-311			PCA-100							MCA-240		SCA-102
Modbus Master	ENB-301MI /ENB-302MI		ENB-301MT /ENB-302MT	PM-160 /PM-127	MD-210			MCO-241		SS-430 /SS-431			
Modbus Slave		ENB-301MT /ENB-302MT		PM-160 /PM-127			MCO-242		MCA-240			HTM-611 /HTM-631	SS-430 /SS-431
HART Master			HME-635	HPM-610							HTM-611 /HTM-631		HTM-611 /HTM-631
RS485/RS422 /RS232				PM-160	MD-21T				SCA-102		SS-430 /SS-431	HTM-611 /HTM-631	

SiboTech Converter Selection Guide

SiboTech Converter	PROFIBUS DP Slave	DeviceNet Slave	CANopen Slave	Modbus Master	RS485/RS422 /RS232
PROFIBUS DP Slave				PM-125	PM-125
DeviceNet Slave				MD-21U	MD-21T /SD-10
CANopen Slave				MCC-425	
Modbus Master	PM-125	MD-21U	MCC-425		
RS485/RS422 /RS232	PM-125	MD-21T /SD-10			

Embedded Fieldbus and Ethernet Module Selection Guide

Embedded Module	Fieldbus	EtherNet	Embedded Interface	Embedded Interface Protocol
CPD-511	PROFIBUS DP Slave		UART/SPI	SiboTech Generi Communication Protocol
CCO-512	CANopen Slave		UART	SiboTech Generi Communication Protocol
EMT-331		Modbus TCP Slave	UART	SiboTech Generi Communication Protocol /Modbus master
EIP-341		EtherNet IP Slave	UART	SiboTech Generi Communication Protocol

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SiboTech Gateway

Serial/PROFIBUS DP Gateway PM-160

Description:

Need to convert your serial Modbus RTU/ASCII (RS232, RS422 or RS485) devices to PROFIBUS DP network, the PM-160 does the job. You can also convert your nonstandard protocol devices to PROFIBUS DP with PM-160.

Technical Specification:

- 1) Support debugging in case of no PROFIBUS DP master
- 2) Serial RS232, RS422 and RS485 interfaces on board, baud rate up to 115200bps
- 3) Act as Modbus RTU/ASCII master at the side of serial ,support 01H, 02H , 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 4) Act as Modbus RTU / ASCII slave at the side of serial, support 03H, 04H, 06H and 10H function codes
- 5) Support nonstandard protocols at the side of serial
- 6) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 7) Support max. 244 bytes input and 244 bytes output data
- 8) Easy configuration with free *PMG-123* software tool
- 9) Power: 24VDC (11~30V), 80mA (24VDC)
- 10) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 11) Mounting: 35mm standard rail



Modbus/PROFIBUS DP Gateway PM-127

Description:

Need to convert your serial Modbus RTU/ASCII (RS485) devices to PROFIBUS DP network, the PM-127 does the job.

Technical Specification:

- 1) Serial RS485 on board, baud rate up to 115200bps
- 2) Act as Modbus RTU /ASCII master at the side of serial, support 01H, 02H , 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 3) Act as Modbus RTU/ASCII slave at the side of serial, support 01H, 02H , 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 4) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 5) Support max. 244 bytes input and 244 bytes output data
- 6) Support monitoring status of Modbus commands or network from PROFIBUS DP network
- 7) Set Modbus communication parameters in PROFIBUS DP host configuration software
- 8) Power: 24VDC (11~30V), 80mA (24VDC)
- 9) Mechanical Dimension: 115mm(D) * 18mm(W) * 100mm(H)
- 10) Mounting: 35mm standard rail



Note: PM-126B support the function of PM-127, but the serial of PM-126B is RS232 when PM-127 is RS485.

PROFIBUS DP/CAN Gateway PCA-100

Description:

Connect multiple CAN2.0A/2.0B devices to PROFIBUS DP network. Support J1939 protocol devices connecting to PROFIBUS DP master.

Technical Specification:

- 1) Support multiple CAN2.0A/2.0B devices
- 2) CAN baud rate up to 1Mbps
- 3) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 4) Support 16 or 15 bytes input and output data
- 5) 2.5KV photoelectric isolated PROFIBUS DP and CAN interfaces
- 6) Redundant power supply
- 7) Power: 24VDC (9~30V)
- 8) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 9) Mounting: 35mm standard rail



DeviceNet/PROFIBUS DP Gateway PD-100

Description:

Connect DeviceNet slave devices to PROFIBUS DP network.

Technical Specification:

- 1) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 2) 2.5KV photoelectric isolated PROFIBUS DP and DeviceNet interfaces
- 3) Act as DeviceNet master at the side of DeviceNet, support Poll I/O
- 4) DeviceNet baud rate support: 125K, 250 and 500K
- 5) Support 112 or 48 bytes input and output data
- 6) Easy configuration with free *PD-123* software tool
- 7) Support scanning DeviceNet slave devices with DNetStart software in operation mode
- 8) Can using DeviceNet network power , and power: 24VDC (11~30V)
- 9) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 10) Mounting: 35mm standard rail



PROFIBUS DP/DeviceNet Gateway PD-100S

Description:

Connect DeviceNet master device to PROFIBUS DP network and establish the communication between them.

Technical Specification:

- 1) Act as PROFIBUS DP slave at the side of PROFIBUS DP,
PROFIBUS DP baud rate is self-adaptive and up to 12M
- 1) 2.5KV photoelectric isolated PROFIBUS DP and DeviceNet
interfaces
- 2) Act as Group 2 Only Server at the side of DeviceNet and support
DeviceNet I/O POLL
- 3) Support max. 112 bytes input and 112 bytes output data
- 4) Support Hyper Terminal in configuration mode
- 5) Good real-time, the delay of data exchange is millisecond
- 6) Can using DeviceNet network power, and power: 24VDC (11~30V)
- 7) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 8) Mounting: 35mm standard rail



PROFIBUS DP/CANopen Gateway PCO-150

Description:

Connect multiple devices with CANopen slave interface to PROFIBUS DP network, and establish the communication between them.

Technical Specification:



- 1) Act as a master at the side of CANopen, and CANopen baud rate up to 1M
- 2) CANopen interface has 1KV photoelectric isolation
- 3) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 4) Max. 244 bytes input and 244 bytes output data
- 5) Support CAN2.0A, and in accordance with DS-301 V4.02 and CiA Draft Recommendation 303
- 6) Support Life guard, Heartbeat and NMT functions
- 7) Easy configuration with free *PC-123* software tool
- 8) Power: 24VDC (11~30V), 90mA(24V)
- 9) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 10) Mounting: 35mm standard rail

PROFIBUS DP/CANopen Gateway PCO-150S

Description:

Connect a device with CANopen master interface to PROFIBUS DP network, and establish the communication between them.

Technical Specification:

- 1) Act as a slave at the side of CANopen, and CANopen baud rate up to 1M
- 2) CANopen interface has 1KV photoelectric isolation
- 3) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 4) Support max. 244 bytes input and 244 bytes output data
- 5) Support CAN2.0A, and in accordance with DS-301 V4.02 and CiA Draft Recommendation 303
- 6) Support CANopen master monitoring status of PROFIBUS DP network and reset communication, reset node and reset application of the Gateway
- 7) Easy configuration with free *PC-123* software tool
- 8) Power: 24VDC (11~30V), 90mA(24V)
- 9) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 10) Mounting: 35mm standard rail



HART / PROFIBUS DP Gateway HPM-610

Description:

Connect HART slave devices to PROFIBUS DP master and realize data communication.

Technical Specification:

- 1) Support a HART channel and connect 13 devices when using built-in resistance and 15 devices when using an external resistor (250Ω)
- 2) Act as a primary master or secondary master at the side of HART, support burst mode, long frame format and all HART commands
- 3) HART buffer up to 1600 bytes input and 1600 bytes output, each channel can be configured up to 128 commands, and each command support four kinds of mode of outputting commands: polling output, change-of-state output, initialization output, and disable output
- 4) Support internal or external sampling resistor
- 5) Easy configuration with free *HT-123* software tool and support monitoring and debugging HART commands
- 6) Support max. 244 bytes input and 244 bytes output PROFIBUS DP data
- 7) Support PROFIBUS DP slave, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 8) Support PROFIBUS DP input data more than mistakenly cleared or maintain function;
- 9) Act as Modbus RTU/ASCII slave at the side of serial ,interface support RS232, RS485, RS422 and baudrate up to 115200kps
- 10) Support nonstandard protocols at the side of serial
- 11) Power: 24VDC (11~30V), 80mA(24V DC)
- 12) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 13) Mounting: 35mm standard rail



HART / Modbus Gateway HTM-631/HTM-611

Description:

Connect HART slave devices to Modbus master and realize data communication.

Technical Specification:

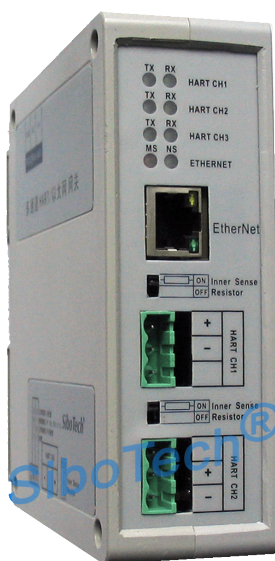
- 1) Support a HART channel and connect 13 devices when using built-in resistance and 15 devices when using an external resistor (250Ω)
- 2) Act as a primary master or secondary master at the side of HART, support burst mode, long frame format and all HART commands
- 3) HART buffer up to 1000 bytes input and 1600 bytes output, each channel can be configured up to 128 commands, and each command support four kinds of mode of outputting commands: polling output, change-of-state output, initialization output, and disable output
- 4) Support internal or external sampling resistor
- 5) Easy configuration with free *HT-123* software tool and support monitoring and debugging HART commands
- 6) Support Modbus RTU/ASCII slave at the side of serial ,interface support RS232, RS485, RS422 and baudrate up to 115200kps, support 03H, 04H, 06H and 10H function codes
- 7) Support nonstandard protocols at the side of serial
- 8) Power: 24VDC (11~30V), 80mA(24V DC)
- 9) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 10) Mounting: 35mm standard rail



Note: HTM-611 support only one channel, but HTM-631 support three channels. The performance of three channels of HTM-631 is the same.

HART / Modbus TCP Gateway HME-635**Description:**

Connect HART slave devices to Modbus TCP network and realize data communication.

Technical Specification:

- 1) Support three HART channel and each channel can connect 13 devices when using built-in resistance and 15 devices when using an external resistor (250Ω)
- 2) Act as a primary master or secondary master at the side of HART, support burst mode, long frame format and all HART commands
- 3) HART buffer up to 3000 bytes input and 2000 bytes output, each channel can be configured up to 100 commands, and each command support four kinds of mode of outputting commands: polling output, change-of-state output, initialization output, and disable output
- 4) Ethernet 10/100M adaptive adaptive; IP address conflict detection; automatic routing functions;
- 5) Modbus TCP up to 36 connections, Modbus TCP can support 512 command request;
- 6) Easy configuration with free *HTConfig-123* software tool
- 7) Power: 24VDC (11~30V), 80mA(24V DC)
- 8) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 9) Mounting: 35mm standard rail

EtherNet IP /PROFIBUS DP Gateway EPS-320IP

Description:

Connect PROFIBUS DP master device to EtherNet IP network and establish the communication between them.

Technical Specification:

- 1) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 2) Support max. 244 bytes input and 244 bytes output data
- 3) 1KV photoelectric isolated PROFIBUS DP interface
- 4) Support ODVA standard EtherNet IP communication protocol
- 5) EtherNet IP support three groups I/O connection at the same time
- 6) EtherNet IP support both ways reading and writing I/O data:
 - a) Directly establish the I/O connection to read and write I/O data
 - b) Using MSG instructions to read and write I/O data
- 7) Support monitoring the other network connection status
- 8) Support byte swapping: no swapping, double-byte swapping and four-byte swapping
- 9) Power supply 24VDC (11V ~ 30V);
- 10) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 11) Mounting: 35mm standard rail



Modbus TCP/PROFIBUS DP Gateway EP-321MP

Description:

Connect PROFIBUS DP master device to Modbus TCP network and establish the communication between them.

Technical Specification:



- 1) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 2) Support max. 244 bytes input and 244 bytes output PROFIBUS DP data
- 3) Act as Modbus TCP client, support up to 36 Modbus TCP servers that with different IP or different identifiers, and support 01H, 02 H, 03 H, 04 H, 05 H, 06H, 0FH and 10H function codes
- 4) Act as a Modbus TCP server, support up to 36 TCP connections, and support 03H, 04H, 06H, and 10H function codes
- 5) 1KV photoelectric isolated PROFIBUS DP interface
- 6) Power supply 24VDC (11V ~ 30V);
- 7) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 8) Mounting: 35mm standard rail

Serial/DeviceNet Gateway MD-210

Description:

Connect multiple Modbus devices with Modbus RS485/RS232 interface to DeviceNet network.

Technical Specification:

- 1) Support debugging in case of no DeviceNet master
- 2) Act as DeviceNet slave at the side of DeviceNet network and Modbus master at the side of serial port
- 3) Serial RS485/RS232 on board and baud rate up to 115200bps
- 4) DeviceNet interface baud rate: 125K, 250K, 500K and baud rate interception
- 5) Max. 160 bytes input and 112 bytes output data
- 6) Easy configuration with free *GT-123* software tool
- 7) Power: 24VDC (11~30V), 80mA (24VDC)
- 8) Mechanical Dimension: 45mm(D) * 110mm(W) * 125mm(H);
- 9) Mounting: 35mm standard rail



RS485/DeviceNet Converter MD-21T/SD-10

Description:

Connect a device with RS232 interface to DeviceNet network.

Technical Specification:



- 1) Act as DeviceNet Group2 only slave at the side of DeviceNet, support baud rate: 125K, 250K, 500K and baud rate interception
- 2) Serial RS232 on board, baud rate up to 115200bps
- 3) Support users' defined protocol through programming in DeviceNet master PLC
- 4) Easy configuration with *super terminal*
- 5) Power: 24VDC (9~30V), 80mA (24V)
- 6) Mechanical Dimension: 70mm(D) * 25mm(W) * 100mm(H)

- 7) Mounting: 35mm standard rail

Note: SD-10 support the function of MD-21T, but the serial of SD-10 is RS232 when MD-21T is RS485.

DeviceNet Extender DET-141

Description:

DeviceNet Extender can extend length of DeviceNet network.

Technical Specification:

- 1) Support DeviceNet protocol
- 2) Multiple extenders support Daisy Chain connection
- 3) Left interface support baud rate: 125K, 250K, 500K and baud rate interception; Right interface baud rate: 125Kbps
- 4) Act as a DeviceNet node on network
- 5) Can using DeviceNet network power, and power: 24VDC (11~30V)
- 6) DeviceNet interfaces use 5-pin pluggable terminals



Modbus/Nonstandard Protocol Gateway SS-430

Description:

Need to convert your serial nonstandard protocol devices to Modbus RTU/ASCII, the SS-430 product does the job.

Technical Specification:

- 1) Serial RS485/RS422/RS232 on board and baud rate up to 115200bps
- 2) Provide four serial interfaces and can act as Modbus master, Modbus slave, Universal mode and simple defined protocol by SiboTech.
- 3) Support two Modbus master access the same Modbus network
- 4) Act as a Modbus RTU/ASCII master at the side of serial, support 01H, 02H, 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 5) Act as a Modbus RTU/ASCII slave at the side of serial, support 03H, 04H, 06H and 10H function codes
- 6) Support data exchange between Modbus slaves without PLC or DCS
- 7) Easy configuration with free *SS-123* software tool
- 8) Max.1K bytes input and 1K bytes output data
- 9) Serial interface has 3KV isolation
- 10) Power: 24VDC (11~30V), <140mA (24VDC)
- 11) Mechanical Dimension: 70mm(D) * 25mm(W) * 100mm(H);
- 12) Mounting: 35mm standard rail



Modbus/Nonstandard Protocol Gateway SS-431

Description:

All RS232/RS485 devices can communicate with other serial devices with the gateway SS-431.

Technical specifications:

- 1) Support two serial ports, and baud rate up to 115200bps; Serial I is RS-485 and serial II is RS-485 or RS-232 (Please specify when you place an order.)
- 2) Serial protocol support: Modbus master, Modbus slave, Sibotech specification protocol, and other nonstandard serial protocol
- 3) Act as Modbus RTU/ASCII master, support 01H, 02H, 03H, 04H, 05H, 06H, 0FH and 10H function codes, support up to 48 Modbus commands
- 4) Act as Modbus RTU/ASCII slave, support 03H, 04H, 06H and 10H function codes
- 5) Support other nonstandard serial protocol:
- 6) Max. 1K bytes input and 1K bytes output data
- 7) Power: 24VDC (11~30V), <140mA (24VDC)
- 8) Mechanical Dimension: 115mm(D) * 18mm(W) * 100mm(H);
- 9) Mounting: 35mm standard rail



Modbus RTU/EtherNet IP Gateway ENB-302MI/ENB-301MI

Description:

Connect Modbus RTU/ASCII (RS485/RS232) devices to Ethernet IP interface.

Technical Specification:



- 1) Act as EtherNet IP server at the side of Ethernet
- 2) 10/100M EtherNet IP
- 3) IP address conflict detection
- 4) Act as Modbus RTU master at the side of serial, support 01H, 02H , 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 5) Two serial RS485 or RS232 on board and baud rate up to 115200bps, has 1KV photoelectric isolation
- 6) Easy configuration with free *GT-123* software tool
- 7) Max. 492 bytes input and 492 bytes output data
- 8) Redundant power supplies, Power: 24VDC (11~30V), 90mA (24V)
- 9) Mechanical Dimension: 45mm(D) * 110mm(W) * 125mm(H);
- 10) Mounting: 35mm standard rail

Note: ENB-301MI supports the function of ENB-302MI, but ENB-301MI has one serial when ENB-302MI has two serials. ENB-301MI also support universal mode at the side of serial.

Modbus RTU/Modbus TCP Gateway ENB-302MT/ENB-301MT

Description:

Connect Modbus (RS485/RS232) devices to Modbus TCP network or connect Modbus TCP servers to Modbus RTU master device.

Technical Specification:

- 1) Provide two operating modes: Modbus RTU slave mode and Modbus RTU master mode
- 2) Two serial RS485 or RS232 on board and baud rate up to 230400bps, has 1KV photoelectric isolation
- 3) 10/100M Modbus TCP
- 4) IP address conflict detection
- 5) Easy configuration with free *MT-123* software tool
- 6) Support up to 36 Modbus TCP connections and 512 requests at the same time
- 7) Support mapping of slave ID and automatic routing function
- 8) Support priority control of master requests and network security setting
- 9) Redundant power supplies, Power: 24VDC (11~30V), <100mA (24VDC)
- 10) Mechanical Dimension: 45mm(D) * 110mm(W) * 125mm(H);
- 11) Mounting: 35mm standard rail



Note: ENB-301MT supports the function of ENB-302MT, but ENB-301MT has one serial when ENB-302MT has two serials.

Modbus /CAN Gateway MCA-240

Description:

Modbus master device i.e. PLC, Controller, can transmit and receive CAN2.0A/2.0B data through the product MCA-240.

Technical Specification:



- 1) Serial RS485 on board and baud rate up to 115200bps
- 2) Act as Modbus RTU slave at the side of serial, support 03H, 04H and 10H function code
- 3) Provide a CAN2.0A/2.0B interface
- 4) CAN baud rate up to 1M, CAN interface has 1.5KV photoelectric isolated
- 5) Easy configuration with free *MC-123* software tool
- 6) Power: 24VDC (11~30V), 80mA (24V)
- 7) Mechanical Dimension: 25mm(D) * 70mm(W) * 100mm(H)
- 8) Mounting: 35mm standard rail

RS232 (RS485)/CAN Converter SCA-102

Description:

Can help user realize the data bidirectional exchange between PC or RS232/RS485 devices and CAN devices.

Technical Specification:

- 1) Provide a CAN2.0A/CAN2.0B interface, baud rate up to 1Mbps
- 2) CAN interfaces adopts photoelectric isolation and DC-DC power isolation
- 3) Two operation mode: Transparent transmission and Transparent transmission with ID
- 4) Serial RS232 or RS485 on board and baud rate up to 115200bps
- 5) Serial receiving buffer: 4.5KB (15*300Byte)
- 6) CAN receiving buffer: 1.6KB (200*8Byte)
- 7) Easy configuration with free *SC-123* software tool
- 8) CAN set delay time between frames in SC-123: 2~20 character time
- 9) CAN set most 13 CAN filters in SC-123
- 10) Power: 24VDC (11~30V), <60mA (24V)
- 11) Mechanical Dimension: 25mm(D) * 70mm(W) * 100mm(H)
- 12) Mounting: 35mm standard rail



Modbus/CANopen Gateway MCO-241

Description:

Connect multiple Modbus slave devices to CANopen network.

Technical Specification:



- 1) Act as CANopen master at the side of CANopen network
- 2) Provide a CAN2.0A interface, baud rate up to 1Mbps
- 3) CAN interface has 1KV photoelectric isolated
- 4) Serial RS485 on board and baud rate up to 115200bps
- 5) Act as Modbus RTU/ASCII master at the side of serial, support 01H, 02H , 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 6) Max. 512 bytes input and 512 bytes output data
- 7) Easy configuration with free *CM-123* software tool
- 8) Power: 24VDC (11~30V), <60mA (24V)
- 9) Mechanical Dimension: 25mm(D) * 70mm(W) * 100mm(H)
- 10) Mounting: 35mm standard rail

CANopen/Modbus Gateway MCO-242

Description:

Connect multiple CANopen slave devices to Modbus network.

Technical Specification:

- 1) Provide a CAN2.0A interface, and act as CANopen slave, baud rate up to 1M
- 2) CAN interface has 1KV photoelectric isolated
- 3) Serial RS485 on board and baud rate up to 115200bps
- 4) Act as Modbus RTU/ASCII slave at the side of serial, support 03H, 04H, 06H, and 10H function codes
- 5) Max. 512 bytes input and 512 bytes output data
- 6) Easy configuration with free *CM-123* software tool
- 7) Power: 24VDC (11~30V), 60<mA (24V)
- 8) Mechanical Dimension: 25mm(D) * 70mm(W) * 100mm(H)
- 9) Mounting: 35mm standard rail



CANopen/EtherNet IP Gateway ENC-310

Description:

Connect CANopen slave devices to EtherNet IP network.

Technical Specification:



- 1) Act as CANopen master at the side of CANopen network and EtherNet IP server at the side of Ethernet
- 2) Provide a CAN2.0A interface, baud rate up to 1Mbps, and has 1KV photoelectric isolation
- 3) In accordance with DS-301 V4.02 and CiA Draft Recommendation 303
- 4) Support PDO and fast SDO of CANopen protocol
- 5) 10/100M EtherNet IP
- 6) IP address conflict detection
- 7) Easy configuration with free *EC-123* software tool
- 8) Power: 24VDC (11~30V), 90mA(24V)
- 9) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 10) Mounting: 35mm standard rail

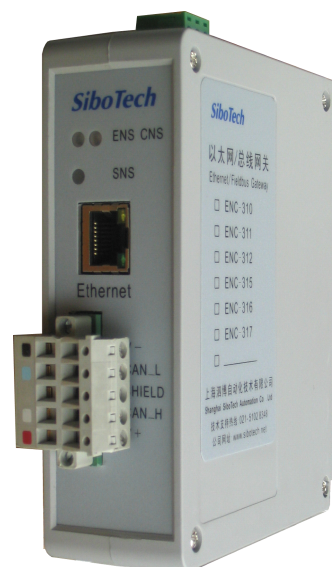
CANopen/Modbus TCP Gateway ENC-316

Description:

Connect CANopen slave devices to Modbus TCP network.

Technical Specification:

- 1) Act as CANopen master at the side of CANopen network and Modbus TCP server at the side of Ethernet
- 2) Provide a CAN2.0A interface, baud rate up to 1Mbps, and has 1KV photoelectric isolation
- 3) In accordance with DS-301 V4.02 and CiA Draft Recommendation 303
- 4) Support PDO and fast SDO of CANopen protocol
- 5) Support NMT, SYNC and Lifeguard function
- 6) In accordance with standard Modbus TCP protocol
- 7) 10/100M Modbus TCP
- 8) IP address conflict detection
- 9) Easy configuration with free *EC-123* software tool
- 10) Power: 24VDC (11~30V)
- 11) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 12) Mounting: 35mm standard rail



CAN/Ethernet Gateway ENC-315

Description:

Connect multiple CAN devices to TCP/IP.

Technical Specification:



- 1) Provide a CAN2.0A/2.0B interface, baud rate up to 1Mbps and has 1KV photoelectric isolation
- 2) 10/100M TCP/IP
- 3) Can be TCP client or server at the side of Ethernet
- 4) IP address conflict detection
- 5) Easy configuration through Web, provide test program and DLLs
- 6) Power: 24VDC (9~30V), <2.5W (24V)
- 7) Mechanical Dimension: 110mm(D) * 40mm(W) * 125mm(H)
- 8) Mounting: 35mm standard rail

SiboTech Converter

RS485/PROFIBUS DP Converter PM-125

Description:

Connect single device with Modbus RTU/ASCII or nonstandard protocol serial RS485 device to PROFIBUS DP.

Technical Specification:

- 1) Serial RS485 on board, baud rate up to 115200bps
- 2) Act as Modbus RTU or ASCII master at the side of serial, support 01H, 02H, 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 3) Support nonstandard protocols at the side of serial
- 4) Only connecting a device is possible at the side of serial
- 5) Act as PROFIBUS DP slave at the side of PROFIBUS DP, PROFIBUS DP baud rate is self-adaptive and up to 12M
- 6) Max. 168 bytes input and 168 bytes output data
- 7) Easy configuration with free *PMA-123* software tool
- 8) Power: 24VDC (11~30V), 80mA (24VDC)
- 9) Mechanical Dimension: 25mm(D) * 70mm(W) * 100mm(H)
- 10) Mounting: 35mm standard rail



Note: PM-126A support the function of PM-125, but the serial of PM-126A is RS232 when PM-125 is RS485.

Modbus/DeviceNet Converter MD-21U

Description:

Connect a device with Modbus RS485/422 interface to DeviceNet network.

Technical Specification:



- 1) Act as DeviceNet slave at the side of DeviceNet and Modbus master at the side of serial port
- 2) Serial RS485/RS422 on board and baud rate up to 115200bps
- 3) DeviceNet interface baud rate: 125K, 250K, 500K and baud rate interception
- 4) Max. 96bytes input and 64 bytes output data
- 5) Easy configuration with free *GT-123* software tool
- 6) Power: 24VDC (8~30V), 80mA (24VDC)
- 7) Mechanical Dimension: 70mm(D) * 25mm(W) * 100mm(H);

Modbus/CANopen Converter MCC-425

Description:

Connect multiple Modbus slave devices to CANopen network.

Technical Specification:

- 1) Act as CANopen master at the side of CANopen network
- 2) Provide a CAN2.0A interface, baud rate up to 1Mbps
- 3) CAN interface has 1KV photoelectric isolated
- 4) Serial RS485 on board and baud rate up to 115200bps
- 5) Act as Modbus RTU/ASCII master at the side of serial, support 01H, 02H, 03H, 04H, 05H, 06H, 0FH and 10H function codes
- 6) Max. 512 bytes input and 512 bytes output data
- 7) Easy configuration with free *CM-123* software tool
- 8) Power: 24VDC (11~30V), <60mA (24V)
- 9) Mechanical Dimension: 25mm(D) * 70mm(W) * 100mm(H)
- 10) Mounting: 35mm standard rail



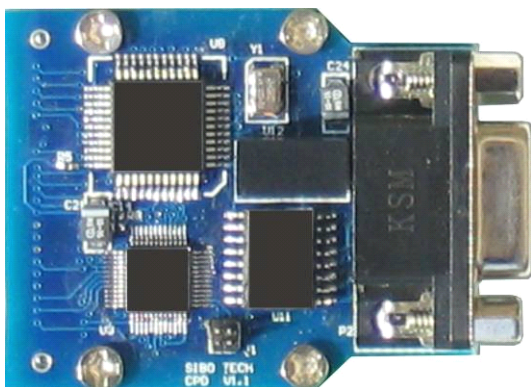
SiboTech Embedded Fieldbus and EtherNet Module

Embedded PROFIBUS DP Interface Module CPD-511

Description:

Embedded PROFIBUS DP interface module CPD-511/501 is a kind of compact embedded module series of Sibotech. The module series are embedded with the same interface (Hardware) and the interface protocol (Software). Users only need to develop the hardware and software one time, and you can let the device has a variety of fieldbus interfaces.

Technical Specification:



- 1) The fieldbus interface support PROFIBUS DP V1 slave
- 2) PROFIBUS DP baud rate is self-adaptive and up to 12Mbps
- 3) Max. 244 bytes input and 244 bytes output data
- 4) Length of data records (non-cyclic data) buffer is 244bytes
- 5) Length of diagnostic buffer is 244 bytes
- 6) Maximum bytes number of parameter data is 54
- 7) Maximum bytes number of configuration data is 64
- 8) PROFIBUS DP interface is 1KV isolated
- 9) CPD-501 support Parallel, UART and SPI interfaces; CPD-511 support UART and SPI interfaces
- 10) Power: 3.3VDC, power consumption: less than 1W
- 11) Operating temperature: -20 ~ 60 °C
- 12) Humidity: 5 to 95% (No Condensing)
- 13) Mechanical Dimension: 49mm (L)*40mm (W)*20mm(H);

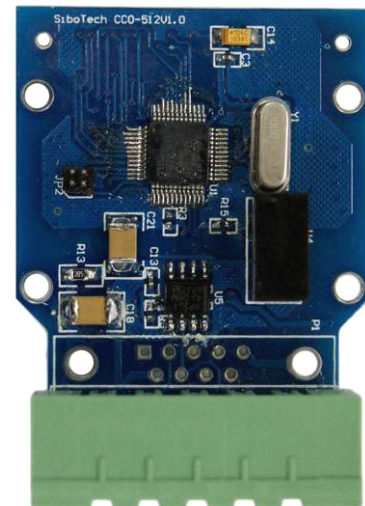
Embedded CANopen Interface Module CCO-512

Description:

Users do not need in-depth understanding of the specific details of the CANopen protocol. Through the use of CCO-512 can easily make the user's device with the CANopen interface. CCO-512 support UART interface.

Technical Specifications:

- 1) The compact module is half a business card size, with the CANopen standard interface, support DB9, open five-pin terminals and
- 2) CANopen protocol in accordance with DS-301V4.02, DS-303 and DS-302
- 3) Support max. 20 TPDO and 20 RPDO
- 4) Support NMT, Boot up, Heartbeat and Life Guard
- 5) Support SYNC
- 6) Support the SDO segment access and block access
- 7) The maximum input and output bytes up to 160
- 8) Act as CANopen slave at the side of fieldbus, baudrate support 5K to 1Mbps
- 9) CANopen interface is 1KV isolated
- 10) Support UART (3.3V), and baudrate up to 1382400bps
- 11) Power: 3.3VDC, power consumption: less than 1W
- 12) Operating temperature: -20 ~ 60 °C
- 13) Humidity: 5 to 95% (No Condensing)
- 14) Mechanical Dimension: 50mm (L)*40mm (W)*16.7mm(H)



Embedded EtherNet/IP Interface Module EIP-341

Description:

EIP-341 is an embedded Ethernet IP interface module and it can be used to add an Ethernet IP interface through UART for user device quickly.

Technical Specification:



- 1) UART interface support simple protocol being defined by Sibotech
- 2) Serial port is UART, half duplex, baud rate: 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400bps, 8 data bits, None Parity, one stop bit
- 3) EtherNet IP interface is 10/100M adaptive
- 4) Provide an EtherNet IP server interface, support multiple connections
- 5) Support Web Server
- 6) User can choose to initialize module through serial port
- 7) Power: 3.3VDC(3.14~3.45), 270mA
- 8) Mechanical Dimension: 37(mm)*20(mm)*22(mm)
- 9) Provide evaluation board

Embedded Modbus TCP Interface Module EMT-331

Description:

EMT-331 is an embedded Modbus TCP interface module and it can be used to add a Modbus TCP interface through UART for user device quickly.

Technical Specification:

- 1) UART interface support Modbus RTU and simple protocol being defined by Sibotech
- 2) Serial port is UART, half duplex, baud rate: 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400bps, 8 data bits, None Parity, one stop bit
- 3) Modbus TCP interface is 10/100M adaptive
- 4) Provide an Modbus TCP server interface, support 16 connections
- 5) Power: 3.3VDC(3.14~3.45), 270mA
- 6) Mechanical Dimension: 37(mm)*20(mm)*22(mm)
- 7) Provide evaluation board

