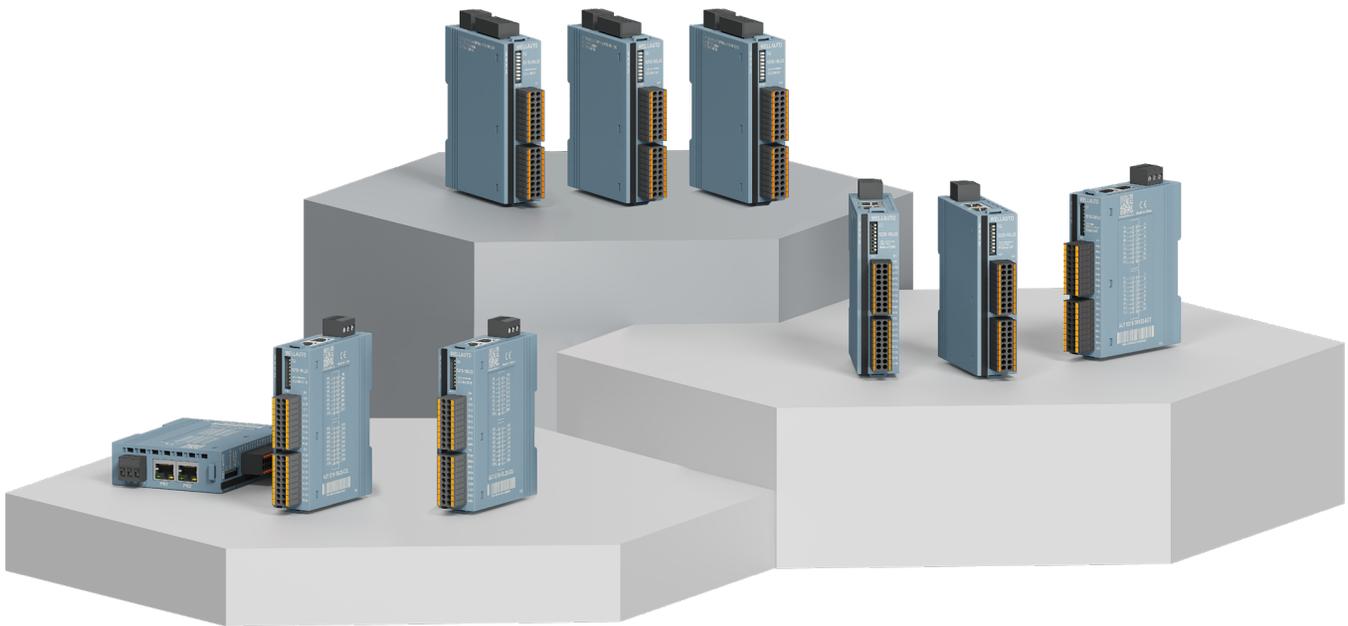




# SHENZHEN YULIAN



## SM500S Series All-in-One IO Product Selection Manual

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# Company Introduction

Founded in 2008, Shenzhen Yulian Technology Co., Ltd. (hereinafter referred to as Yulian) is a national high-tech enterprise, an innovative enterprise, and a provincial specialized and special new enterprise.

The company focuses on the R&D, manufacturing and sales of industrial intelligent control systems, intelligent digital production line solutions and industrial "cloud" interconnection technology and equipment, and is committed to providing customers with comprehensive and efficient solutions. A wide range of distributed IO systems, bus temperature control products, industrial RFID systems, redundant controllers, wireless communications, industrial communication gateways, touch all-in-one machines, operation control (bus inverters, bus low-voltage servo), intelligent interconnection industrial solutions (Internet of Things controllers, "cloud" data monitoring systems, APP, industrial SCADA monitoring software), etc.

High R&D investment not only promotes the rapid iteration and innovation of the company's products, but also makes it achieve remarkable results in the market. Its distributed IO series products have a very high market share and industry praise in the market, and according to the evaluation of a domestic authoritative organization, the industry occupancy rate in 2022 and 2023 ranks among the top three in the country. The company has two production bases, three office locations, covering a total area of 8,500 square meters, equipped with 5 high-performance imported placement machines, fully realizing the whole process management of independent placement and manufacturing, providing a strong guarantee for the timely delivery and quality control of products.

## **P**hilosophy

**Create value with you with ingenuity!**

We take providing high-quality products and high-quality services as the foundation of the company's development, strict quality management system is the guarantee of product quality, rapid response technical service is our solid backing, and high-quality marketing team enables us to stay close to customers and become a partner you can trust.

# Product family diagram

Cloud platform



Maintenance & Management

Control layer



Medium-sized controllers



High-performance controller

Gateways



Communication gateways

Field layer



Au7 3000



AU7 800H



IP67&IO-Link

Execution layer



Bus valve terminal / Manifold rail



Field-based execution module



Data acquisition

MQTT  
OPC UA



Redundant controllers



All-in-one machine



Private branch exchanges



Managed switches



Industrial switches



AU7 500S & AU7 500E & AU7 500



AU7 500



Bus thermostat



Bus inverter



RFID



Terminal block module



Actuators/Sensors



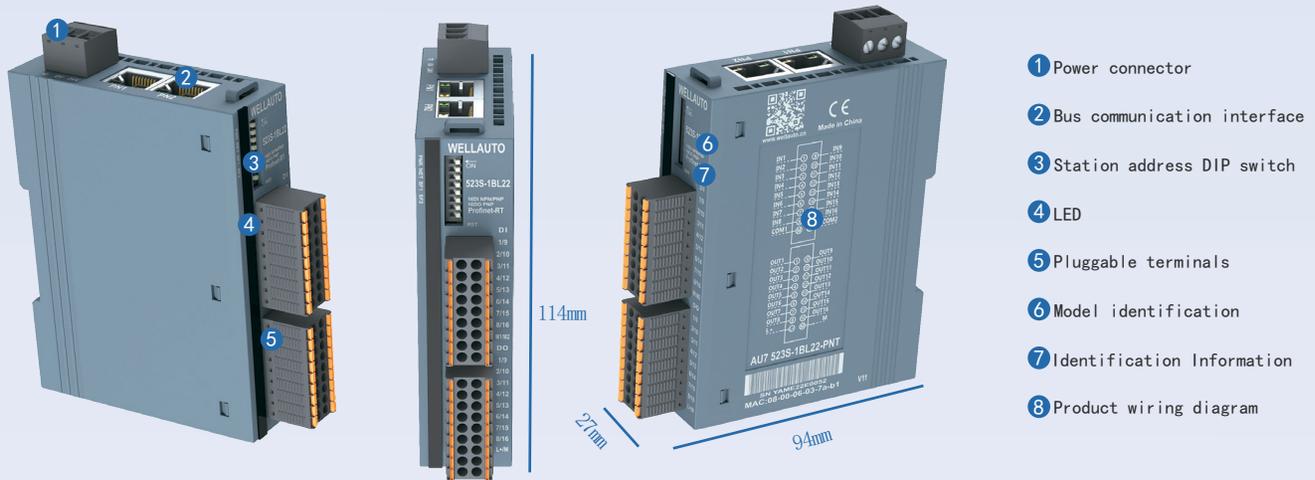
# SM500S SERIES

The new generation of distributed I/O systems --- vertical, compact, and stand-alone

## Stand-alone module product features

- It supports 7 major bus protocols  
EtherCAT, Profinet-RT, EtherNet/IP, CC-Link IEF Basic, Modbus-TCP, CC-Link V1, MECHATROLINK-III
- A variety of I/O specifications and combinations can be selected arbitrarily
- High-precision analog module, flexible selection of multiple specifications
- Support configurable IO points (16 points fixed + 16 points configurable)
- Spring-loaded press terminals are used for fast wiring
- The terminals can be plugged and unplugged, and the module does not need to be rewired, saving time and effort

## Product identification



## Multiple protocols



It supports a variety of mainstream bus protocols



Stations can be connected up to 100 meters apart

It can be connected to a variety of actuator level devices such as actuators and sensors



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## SM52xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Stand-alone as EtherCAT slave
- Provide independent XML files



### Specifications

Ordering data	
Model	SM52xS EtherCAT slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, I/O signal green indicator
Support Protocols	EtherCAT
Master-slave category	Stand-alone slave device
Ontology I/O point	Yes, please refer to the order data for details
Overcurrent protection threshold	1.5A, 5ms
I/O response time	Minimum 500us
Scalability	Extensions are not supported
Cable length (shielded)	Up to 500m
Cable length (unshielded)	The maximum input point is 300m, and the output point is up to 150m
Slave settings	
Address settings	Configured by DIP switch or master
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)

## Specifications

Ordering data	
Model	SM52xS EtherCAT slave module
Working environment	
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM521S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 521S-1BL22-ECT
SM522S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 32DO (PNP output) of the body, no internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 522S-1BL22-ECT
SM522S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 32DO (NPN output) in the body, no support for internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 522S-1NL22-ECT
SM523S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 16DO (PNP output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1BL22-ECT
SM523S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1NL22-ECT
SM523S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 12DO (relay output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1HJ22-ECT
SM524S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 6DIO (NPN input/NPN output can be configured, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 524S-2NL22-ECT
SM524S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 16DIO (PNP input/PNP output configurable, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 524S-2BL22-ECT
SM525S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station ID address, the body comes with 16DO (NPN output), 16DIO (NPN input/NPN output configurable, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 525S-3NL22-ECT
SM526S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 16DIO (NPN type, 2 channels in a group configuration input or output), no internal bus expansion module, IP20 protection level, support DN35 rail mounting	AU7 526S-1NH22-ECT

## SM53xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Stand-alone as EtherCAT slave
- Provide independent XML files



### Specifications

Ordering data	
Model	SM53xS EtherCAT slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	EtherCAT
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
IO response time	Minimum 500us
Scalability	Extensions are not supported
Cable length (shielded twisted pair)	Up to 100m
Range	
Voltage (unipolar)	Input: 0~10V, 0~5V
Voltage (bipolar)	Input: $\pm 10V$ , $\pm 5V$ , output: $\pm 10V$
Current	Input: 0~20mA, 4~20mA, output: 0~20mA
Data words	
Unipolar	0~32000 (Full scale)
Bipolar	-32000~32000 (Full scale)

## Specifications

Ordering data	
Model	SM53xS EtherCAT slave module
Slave settings	
Address settings	Configured by DIP switch or master
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM531S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 2 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), with 10VDC output voltage, maximum output current 300mA, for electronic ruler power supply, does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HB22-ECT
SM531S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HC22-ECT
SM531S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HF22-ECT
SM532S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HC22-ECT
SM532S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 8 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HF22-ECT
SM535S stand-alone module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting	AU7 535S-7HF22-ECT

## SM551S High-speed counting module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independent as EtherCAT slave
- The main body has 4/8 high-speed counting



### Specifications

Ordering data		
Model	SM551S EtherCAT high-speed counting module	
Technical Specifications		
Order number	AU7 551S-4HC22-ECT	AU7 551S-8PC22-ECT
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)	
Operating current consumption	Different product models, please refer to the product manual for details	
Power protection	Anti-reverse polarity protection, surge absorption	
Bus communication interface	2*RJ45	
Power terminal type	PCB connectors, screw terminals	
Signal terminal type	PCB connectors, push-in terminals	
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator	
Support Protocols	EtherCAT	
Master-slave category	Stand-alone slave device	
High-speed counting channel	4 channels(A B C) with maximum differential (4MHZ), Rated voltage 5VDC	8 channels, single-ended max. 100KHZ
Current consumption	<70mA	
Cable length (shielded twisted pair)	Up to 100m	
High-speed counter input characteristics	RS422 differential input	Single-ended, NPN or PNP
Signal Input (Data)	\	
Latch input characteristics	Single-ended, 5V/24V input	\
Signal output	\	8DO (NPN)
Data transfer speed	\	
Distributed clocks	Yes	
Encoding	Incremental	
The encoder input voltage is rated	\	24V DC

## Specifications

Ordering data		
Model	SM551S EtherCAT high-speed counting module	
Technical Specifications		
Order number	AU7 551S-4HC22-ECT	AU7 551S-8PC22-ECT
High-speed counting mode	1. Count the pulse of phase A, B is the direction, B is the high level, add the count, and subtract the low level. 2. A, B phase pulse orthogonal counting, A ahead of B phase 90 ° then add counting, otherwise subtract.	
Scalability	Extensions are not supported	
Working environment		
Operating ambient temperature	-20~60°C	
Humidity of the working environment	5%~90% (No condensation)	
Elevation	Below 2000m (80kPa)	
Ingress protection	IP20	
Isolation		
Between the channel and the bus	Yes	
Between passages	Yes	
System power diagnostics and warnings	Yes	
Dimensions (L*W*H)	27*114*96	

## Ordering

Specification	Order number
SM551S high-speed counting module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, 4 groups of A, B, C count inputs, differential 5V (max. 4MHZ), support incremental encoder input, with 2 5V encoder power supply, with 4 threshold NPN outputs, do not support internal bus expansion module, IP20 protection level, support DN35 rail mounting	AU7 551S-4HC22-ECT
SM551S high-speed counting module, EtherCAT bus, 2 RJ45 ports, 24VDC power supply, the body comes with 8 single-ended high-speed counting inputs, single-ended (NPN or PNP) input up to 100KHZ, with frequency calculation function, 8 channels DO (NPN type), preset counting to reach output function, IP20 protection level, support DN35 rail installation (photoelectric sensor counting function)	AU7 551S-8PC22-ECT

## SM55xS High-speed pulse output module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independent as EtherCAT slave
- The body has 4/8 high-speed pulse outputs



### Specifications

Ordering data			
Model	SM553S EtherCAT pulse control module	SM552S EtherCAT pulse output module	
Technical Specifications			
Order number	AU7 553S-4MC22-ECT	AU7 552S-4P022-ECT	AU7 552S-8P022-ECT
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)		
Operating current consumption	Different product models, please refer to the product manual for details		
Power protection	Anti-reverse polarity protection, surge absorption		
Bus communication interface	2*RJ45		
Power terminal type	PCB connectors, screw terminals		
Signal terminal type	PCB connectors, push-in terminals		
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator		
Support Protocols	EtherCAT		
Master-slave category	Stand-alone slave device		
Pulse output voltage	5V		
Output channel	4	4	8
Pulse output frequency	200KHZ	200KHZ	
Pulse mode	Single pulse (pulse + direction), double pulse (CW/CCW)	Single Pulse (Pulse + Direction)	
Pulse output type	NPN	NPN	
Input channel	20	8	
Input channel function	Positive limit, negative limit, origin switch, brake	Emergency stop	
Enter the type	PNP/NPN	PNP/NPN	
Input signal logic selection	Limit, origin and brake are individually configured with NO and NC	Configurable NO / NC	
Mode of exercise	Absolute Position Mode, Relative (Incremental) Position Mode, Speed Mode, Return to Zero Mode, Jog Mode	Relative (incremental) position mode, velocity mode	

## Specifications

Ordering data			
Model	SM553S EtherCAT pulse control module	SM552S EtherCAT pulse output module	
Technical Specifications			
Order number	AU7 553S-4MC22-ECT	AU7 552S-4P022-ECT	AU7 552S-8P022-ECT
Movement merging	Parameters can be modified dynamically		
Channel-level parameter configuration	Yes		
Back to zero mode	4 types are supported	\	
Safe mode	Supports continued operation, deceleration stop, and brake stop	\	
Forced braking	Yes		
Scalability	Extensions are not supported		
Working environment			
Operating ambient temperature	-20~60°C		
Humidity of the working environment	5%~90% (No condensation)		
Elevation	Below 2000m (80kPa)		
Ingress protection	IP20		
Isolation			
Between the channel and the bus	Yes		
Between passages	Yes		
System power diagnostics and warnings	Yes		
Dimensions (L*W*H)	27*114*96		

## Ordering

Specification	Order number
SM553S Pulse Operation Control Module, EtherCAT bus protocol, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 4-axis pulse punch output (support single pulse, double pulse two modes), 20DI (common cathodium/common yang, 4DI per channel, for positive limit, negative limit, origin, brake signal input), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 553S-4MC22-ECT
SM552S Pulse Output Module, EtherCAT bus protocol, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 8-axis pulse output (support single pulse mode), 8DI (NPN/PNP, 1DI per channel, for channel emergency stop input), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 552S-8P022-ECT
SM552S Pulse Output Module, EtherCAT bus protocol, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 4-axis pulse output (support single pulse mode), 4DI (NPN/PNP, 1DI per channel, for channel emergency stop input), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 552S-4P022-ECT

## SM52xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Stand-alone as a Profinet-RT slave
- Provide independent GSD files



### Specifications

Ordering data	
Model	SM52xS Profinet-RT slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	Profinet-RT
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
Overcurrent protection threshold	1.5A, 5ms
IO response time	Minimum 2ms
Scalability	Extensions are not supported
Cable length (shielded)	Up to 500m
Cable length (unshielded)	The maximum input point is 300m, and the output point is up to 150m
Slave settings	
Device name and IP settings	Automatically assigned by the master or manually configured
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)

## Specifications

Ordering data	
Model	SM52xS Profinet-RT slave module
Working environment	
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM521S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 32DI (NPN/PNP), IP20 protection level, no internal bus expansion module, DN35 rail mounting	AU7 521S-1BL22-PNT
SM522S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 32DO (PNP output) on the body, IP20 protection level, no internal bus expansion module, DN35 rail installation	AU7 522S-1BL22-PNT
SM522S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 32DO (NPN output) on the body, IP20 protection level, no internal bus expansion module, DN35 rail installation	AU7 522S-1NL22-PNT
SM523S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 16DI (NPN/PNP), 16DO (PNP output), IP20 protection level, does not support internal bus expansion module, supports DN35 rail mounting	AU7 523S-1BL22-PNT
SM523S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory ID, 16DI (NPN/PNP), 16DO (NPN output), IP20 protection level, support DN35 rail mounting	AU7 523S-1NL22-PNT
SM524S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 16DI (NPN/PNP), 16DIO (PNP input/PNP output configurable, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 524S-2BL22-PNT
SM525S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 16DO (PNP output), 16DIO (PNP input/PNP output configurable, 2-way group configuration), IP20 protection level, does not support internal bus expansion module, supports DN35 rail installation	AU7 525S-3BL22-PNT
SM526S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 16DIO (PNP type, 2 channels in a group configuration input or output), no internal bus expansion module, IP20 protection level, support DN35 rail mounting	AU7 526S-1BH22-PNT

## SM53xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independent as Profinet-RT slave
- Provide independent GDS files



### Specifications

Ordering data	
Model	SM53xS Profinet-RT slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, I0 signal green indicator
Support Protocols	Profinet-RT
Master-slave category	Stand-alone slave device
Ontology I0 point	Yes, please refer to the order data for details
I0 response time	Minimum 2ms
Scalability	Extensions are not supported
Cable length (shielded twisted pair)	Up to 100m
Range	
Voltage (unipolar)	Input: 0~10V, 0~5V
Voltage (bipolar)	Input: $\pm 10V$ , $\pm 5V$ , output: $\pm 10V$
Current	Input: 0~20mA, 4~20mA, output: 0~20mA
Data words	
Bipolar (full scale)	-32000~32000 or -27648~27648
Unipolar (full scale)	0~32000 or 0~27648
Slave settings	
Device name and IP settings	Automatically assigned by the master or manually configured
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)

## Specifications

Ordering data	
Model	SM53xS Profinet-RT slave module
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM531S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 2 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), with 10VDC output voltage, maximum output current 300mA, for electronic ruler power supply, does not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting	AU7 531S-7HB22-PNT
SM531S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HC22-PNT
SM531S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HF22-PNT
SM532S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 4 analog outputs in the body, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HC22-PNT
SM532S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 8 analog outputs on the body, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), no support for internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 532S-7HF22-PNT
SM535S stand-alone module, Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting	AU7 535S-7HF22-PNT

## SM52xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independent as EtherNet/IP slave
- Provide independent EDS files



### Specifications

Ordering data	
Model	SM52xS EtherNet/IP slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	EtherNet/IP
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
Overcurrent protection threshold	1.5A, 5ms
IO response time	Minimum 2ms
Scalability	Extensions are not supported
Cable length (shielded)	Up to 500m
Cable length (unshielded)	The maximum input point is 300m, and the output point is up to 150m
Slave settings	
IP settings	It can be set by a DIP switch or a web page
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)

## Specifications

Ordering data	
Model	SM52xS EtherNet/IP slave module
Working environment	
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM521S stand-alone module, Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 521S-1BL22-EIP
SM522S stand-alone module, Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 32DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 522S-1NL22-EIP
SM523S stand-alone module, Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (PNP output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1BL22-EIP
SM523S stand-alone module, Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1NL22-EIP
SM526S stand-alone module, Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 16DIO (NPN type, 2 channels in a group configuration input or output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 526S-1NH22-EIP (Planning)

## SM53xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independent as EtherNet/IP slave
- Provide independent EDS files



### Specifications

Ordering data	
Model	SM53xS EtherNet/IP slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	EtherNet/IP
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
IO response time	Minimum 2ms
Scalability	Extensions are not supported
Cable length (shielded twisted pair)	Up to 100m
Range	
Voltage (unipolar)	Input: 0~10V, 0~5V
Voltage (bipolar)	Input: $\pm 10V$ , $\pm 5V$ , output: $\pm 10V$
Current	Input: 0~20mA, 4~20mA, output: 0~20mA
Data words	
Unipolar	0~32000 (Full scale)
Bipolar	-32000~32000 (Full scale)

## Specifications

Ordering data	
Model	SM53xS EtherNet/IP slave module
Slave settings	
IP settings	It can be set by a DIP switch or a web page
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM531S stand-alone module, EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HC22-EIP
SM531S stand-alone module, EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HF22-EIP
SM532S stand-alone module, EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog outputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 532S-7HC22-EIP
SM532S stand-alone module, EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station ID address, the body comes with 8 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HF22-EIP
SM535S stand-alone module, EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting	AU7 535S-7HF22-EIP

## SM52xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independently used as CC-Link IEF Basic slave



### Specifications

Ordering data	
Model	SM52xS CC-Link slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	CC-Link IE Field Basic
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
Overcurrent protection threshold	1.5A, 5ms
IO response time	Minimum 500us
Scalability	Extensions are not supported
Cable length (shielded)	Up to 500m
Cable length (unshielded)	The maximum input point is 300m, and the output point is up to 150m
Slave settings	
IP settings	It can be set by a DIP switch or a web page
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)

## Specifications

Ordering data	
Model	SM52xS CC-Link slave module
Working environment	
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM521S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 521S-1BL22-CCL
SM522S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 32DO (NPN output) in the body, IP20 protection level, no internal bus expansion module, DN35 rail installation	AU7 522S-1NL22-CCL
SM523S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1NL22-CCL
SM523S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (PNP output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1BL22-CCL
SM526S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 16DI0 (NPN type, 2 channels in a group configuration input or output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail mounting	AU7 526S-1NH22-CCL (Planning)

## SM53xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independently used as CC-Link IEF Basic slave



### Specifications

Ordering data	
Model	SM53xS CC-Link slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	CC-Link IE Field Basic
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
IO response time	Minimum 500us
Scalability	Extensions are not supported
Cable length (shielded twisted pair)	Up to 100m
Range	
Voltage (unipolar)	Input: 0~10V, 0~5V
Voltage (bipolar)	Input: $\pm 10V$ , $\pm 5V$ , output: $\pm 10V$
Current	Input: 0~20mA, 4~20mA, output: 0~20mA
Data words	
Unipolar	0~32000 (Full scale)
Bipolar	-32000~32000 (Full scale)

## Specifications

Ordering data	
Model	SM53xS CC-Link slave module
Slave settings	
IP settings	It can be set by a DIP switch or a web page
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM531S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HC22-CCL
SM531S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HF22-CCL
SM532S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HC22-CCL
SM532S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HF22-CCL
SM535S stand-alone module, CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting	AU7 535S-7HF22-CCL

## SM52xS stand-alone module

### Features

- RS485, 5PIN pluggable terminal
- Bus, power isolation technology, reliable
- Independently as CC-LINK V1 slave



### Specifications

Ordering data					
Model	SM52xS CC-LINK V1 Slave module				
Technical Specifications					
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)				
Operating current consumption	Different product models, please refer to the product manual for details				
Power protection	Anti-reverse polarity protection, surge absorption				
Communication interfaces	RS485, 5PIN pluggable terminal				
Power terminal type	PCB connectors, screw terminals				
Signal terminal type	PCB connectors, push-in terminals				
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator				
Support Protocols	CC-LINK V1				
Master-slave category	Stand-alone slave device				
Station category	Remote I/O station				
Ontology IO point	Yes, please refer to the order data for details				
Overcurrent protection threshold	1.5A, 5ms				
IO response time	Minimum 5ms				
Scalability	Extensions are not supported				
Cable length (shielded)	Up to 500m				
Cable length (unshielded)	The maximum input point is 300m, and the output point is up to 150m				
Slave settings					
Parameter settings	It is set by the DIP switch				
Transmission distance	10Mbps	5Mbps	2.5Mbps	625Kbps	156Kbps
	≤100m	≤160m	≤400m	≤900m	≤1200m
The maximum number of stations per segment	64 (The specific number of supported stations is determined by the main site)				

## Specifications

Ordering data	
Model	SM52xS CC-LINK V1 Slave module
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM521S stand-alone module, CC-LINK V1 bus, 5PIN terminal block, 24VDC power supply, with 10-digit DIP code to set communication parameters, the body comes with 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 521S-1BL22-CL1 (Planning)
SM522S stand-alone module, CC-LINK V1 bus, 5PIN terminal block, 24VDC power supply, with 10-bit DIP code to set communication parameters, the body comes with 32DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 522S-1NL22-CL1 (Planning)
SM523S stand-alone module, CC-LINK V1 bus, 5PIN terminal block, 24VDC power supply, with 10-bit DIP code to set communication parameters, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1NL22-CL1 (Planning)

## SM52xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independently used as Modbus-TCP/IP, S7-TCP/IP slave



### Specifications

Ordering data	
Model	SM52xS Modbus-TCP slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	Modbus-TCP/IP, S7-TCP/IP
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
Overcurrent protection threshold	1.5A, 5ms
IO response time	Minimum 2ms
Scalability	Extensions are not supported
Cable length (shielded)	Up to 500m
Cable length (unshielded)	The maximum input point is 300m, and the output point is up to 150m
Slave settings	
IP settings	It can be set by a DIP switch or a web page
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)

## Specifications

Ordering data	
Model	SM52xS Modbus-TCP slave module
Working environment	
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM523S stand-alone module, Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (PNP output), IP20 protection level, support DN35 rail installation	AU7 523S-1BL22-TCP
SM523S stand-alone module, Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), IP20 protection level, support DN35 rail installation	AU7 523S-1NL22-TCP

## SM53xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independently used as Modbus-TCP/IP, S7-TCP/IP slave



### Specifications

Ordering data	
Model	SM53xS Modbus-TCP slave module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	Modbus-TCP/IP, S7-TCP/IP
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
IO response time	Minimum 500us
Scalability	Extensions are not supported
Cable length (shielded twisted pair)	Up to 100m
Range	
Voltage (unipolar)	Input: 0~10V, 0~5V
Voltage (bipolar)	Input: $\pm 10V$ , $\pm 5V$ , output: $\pm 10V$
Current	Input: 0~20mA, 4~20mA, output: 0~20mA
Data words	
Unipolar	0~32000 (Full scale)
Bipolar	-32000~32000 (Full scale)

## Specifications

Ordering data	
Model	SM53xS Modbus-TCP slave module
Slave settings	
IP settings	It can be set by a DIP switch or a web page
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM531S stand-alone module, Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HC22-TCP
SM531S stand-alone module, Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation	AU7 531S-7HF22-TCP
SM532S stand-alone module, Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HC22-TCP
SM532S stand-alone module, Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 532S-7HF22-TCP
SM535S stand-alone module, Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail mounting	AU7 535S-7HF22-TCP

## SM52xS stand-alone module

### Features

- 2 RJ45 interfaces, 100Mbit/s
- Bus, power isolation technology, reliable
- Independently as MECHATROLINK-III slave station
- Web configuration communication parameters



### Specifications

Ordering data	
Model	SM52xS MECHATROLINK-III Slave Module
Technical Specifications	
Operating voltage	24VDC (Allowable voltage range: 18VDC~28VDC)
Operating current consumption	Different product models, please refer to the product manual for details
Power protection	Anti-reverse polarity protection, surge absorption
Communication interfaces	2*RJ45
Power terminal type	PCB connectors, screw terminals
Signal terminal type	PCB connectors, push-in terminals
Displays instructions	Power supply, NET green indicator, SF red indicator, IO signal green indicator
Support Protocols	MECHATROLINK-III
Master-slave category	Stand-alone slave device
Ontology IO point	Yes, please refer to the order data for details
Overcurrent protection threshold	1.5A, 5ms
IO response time	Minimum 2ms
Scalability	Extensions are not supported
Cable length (shielded)	Up to 500m
Cable length (unshielded)	The maximum input point is 300m, and the output point is up to 150m
Slave settings	
Address settings	It can be set by a DIP switch or a web page
The maximum number of stations per segment	255 (The specific number of supported stations is determined by the main site)
Working environment	
Operating ambient temperature	-20~60°C
Humidity of the working environment	5%~90% (No condensation)
Elevation	Below 2000m (80kPa)

## Specifications

Ordering data	
Model	SM52xS MECHATROLINK-III Slave Module
Working environment	
Ingress protection	IP20
Dimensions (L*W*H)	27*114*94

## Ordering

Specification	Order number
SM523S stand-alone module, MECHATROLINK-III总线、2 RJ45 ports, 24VDC power supply, with 8 DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation	AU7 523S-1NL22-MLK

## SM500S series order data

名称	Order number	Specification
SM521S stand-alone module	AU7 521S-1BL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM522S stand-alone module	AU7 522S-1NL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 32DO (NPN output) in the body, no support for internal bus expansion module, IP20 protection level, support DN35 rail installation
SM522S stand-alone module	AU7 522S-1BL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 32DO (PNP output) of the body, no internal bus expansion module, IP20 protection level, support DN35 rail installation
SM523S stand-alone module	AU7 523S-1NL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM523S stand-alone module	AU7 523S-1BL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 16DO (PNP output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM523S stand-alone module	AU7 523S-1HJ22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 12DO (relay output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM524S stand-alone module	AU7 524S-2NL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 16DIO (NPN input/NPN output can be configured, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM524S stand-alone module	AU7 524S-2BL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 16DI (NPN/PNP), 16DIO (PNP input/PNP output configurable, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM525S stand-alone module	AU7 525S-3NL22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station ID address, the body comes with 16DO (NPN output), 16DIO (NPN input/NPN output configurable, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM526S stand-alone module	AU7 526S-1NH22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 16DIO (NPN type, 2 channels in a group configuration input or output), no internal bus expansion module, IP20 protection level, support DN35 rail mounting

## SM500S series order data

名称	Order number	Specification
SM531S stand-alone module	AU7 531S-7HB22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 2 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), with 10VDC output voltage, maximum output current 300mA, for electronic ruler power supply, does not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM531S stand-alone module	AU7 531S-7HC22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM531S stand-alone module	AU7 531S-7HF22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM532S stand-alone module	AU7 532S-7HC22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM532S stand-alone module	AU7 532S-7HF22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 8 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM535S stand-alone module	AU7 535S-7HF22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting
SM551S High-speed counting module	AU7 551S-4HC22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, 4 groups of A, B, C count inputs, differential 5V (max. 4MHZ), support incremental encoder input, with 2 5V encoder power supply, with 4 threshold NPN outputs, do not support internal bus expansion module, IP20 protection level, support DN35 rail mounting
SM551S High-speed counting module	AU7 551S-8PC22-ECT	EtherCAT bus, 2 RJ45 ports, 24VDC power supply, the body comes with 8 single-ended high-speed counting inputs, single-ended (NPN or PNP) input up to 100KHZ, with frequency calculation function, 8 channels DO (NPN type), preset counting to reach output function, IP20 protection level, support DN35 rail installation (photoelectric sensor counting function)
SM553S Pulse operation control module	AU7 553S-4MC22-ECT	EtherCAT bus protocol, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 4-axis pulse punch output (support single pulse, double pulse two modes), 20DI (NPN / PNP, 4DI per channel, for positive limit, negative limit, origin, brake signal input), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM552S Pulse output module	AU7 552S-8P022-ECT	EtherCAT bus protocol, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 8-axis pulse output (support single pulse mode), 8DI (NPN/PNP, 1DI per channel, for channel emergency stop input), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM552S Pulse output module	AU7 552S-4P022-ECT	EtherCAT bus protocol, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, 4-axis pulse output (support single pulse mode), 4DI (NPN/PNP, 1DI per channel, for channel emergency stop input), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation

## SM500S series order data

名称	Order number	Specification
SM522S stand-alone module	AU7 521S-1BL22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 32DI (NPN/PNP), IP20 protection level, no internal bus expansion module, DN35 rail mounting
SM522S stand-alone module	AU7 522S-1BL22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 32DO (PNP output) on the body, IP20 protection level, no internal bus expansion module, DN35 rail installation
SM522S stand-alone module	AU7 522S-1NL22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 32DO (NPN output) on the body, IP20 protection level, no internal bus expansion module, DN35 rail installation
SM523S stand-alone module	AU7 523S-1BL22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 16DI (NPN/PNP), 16DO (PNP output), IP20 protection level, does not support internal bus expansion module, supports DN35 rail mounting
SM523S stand-alone module	AU7 523S-1NL22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 16DI (NPN/PNP), 16DO (NPN output), IP20 protection level, does not support internal bus expansion module, supports DN35 rail mounting
SM524S stand-alone module	AU7 524S-2BL22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 16DI (NPN/PNP), 16DIO (PNP input/PNP output configurable, 2 channels in a group configuration), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM525S stand-alone module	AU7 525S-3BL22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 16DO (PNP output), 16DIO (PNP input/PNP output configurable, 2-way group configuration), IP20 protection level, does not support internal bus expansion module, supports DN35 rail installation
SM526S stand-alone module	AU7 526S-1BH22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 16DIO (PNP type, 2 channels in a group configuration input or output), no internal bus expansion module, IP20 protection level, support DN35 rail mounting
SM531S stand-alone module	AU7 531S-7HB22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 2 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), with 10VDC output voltage, maximum output current 300mA, for electronic ruler power supply, does not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting
SM531S stand-alone module	AU7 531S-7HC22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM531S stand-alone module	AU7 531S-7HF22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM532S stand-alone module	AU7 532S-7HC22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 4 analog outputs in the body, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation

## SM500S series order data

名称	Order number	Specification
SM532S stand-alone module	AU7 532S-7HF22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, 8 analog outputs in the body, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM535S stand-alone module	AU7 535S-7HF22-PNT	Profinet-RT bus, 2 RJ45 ports, 24VDC power supply, DIP code with reset factory parameters, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting
SM521S stand-alone module	AU7 521S-1BL22-EIP	Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM522S stand-alone module	AU7 522S-1NL22-EIP	Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 32DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM523S stand-alone module	AU7 523S-1NL22-EIP	Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM523S stand-alone module	AU7 523S-1BL22-EIP	Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (PNP output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM526S stand-alone module	AU7 526S-1NH22-EIP (Planning)	Ethernet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 16DIO (NPN type, 2 channels in a group configuration input or output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM531S stand-alone module	AU7 531S-7HC22-EIP	EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM531S stand-alone module	AU7 531S-7HF22-EIP	EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation

## SM500S series order data

名称	Order number	Specification
SM532S stand-alone module	AU7 532S-7HC22-EIP	EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog outputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM532S stand-alone module	AU7 532S-7HF22-EIP	EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 8 analog outputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM535S stand-alone module	AU7 535S-7HF22-EIP	EtherNet/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station ID address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting
SM521S stand-alone module	AU7 521S-1BL22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM522S stand-alone module	AU7 522S-1NL22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 32DO (NPN output) in the body, IP20 protection level, no internal bus expansion module, DN35 rail installation
SM523S stand-alone module	AU7 523S-1NL22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM523S stand-alone module	AU7 523S-1BL22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-digit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (PNP), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM526S stand-alone module	AU7 526S-1NH22-CCL (Planning)	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, 16DIO (NPN type, 2 channels in a group configuration input or output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail mounting
SM531S stand-alone module	AU7 531S-7HC22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation

## SM500S series order data

名称	Order number	Specification
SM531S stand-alone module	AU7 531S-7HF22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM532S stand-alone module	AU7 532S-7HC22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM532S stand-alone module	AU7 532S-7HF22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM535S stand-alone module	AU7 535S-7HF22-CCL	CC-LINK IEFB bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, Support DN35 rail mounting
SM521S stand-alone module	AU7 521S-1BL22-CL1 (Planning)	CC-LINK V1 bus, 5PIN terminal block, 24VDC power supply, with 10-digit DIP code to set communication parameters, the body comes with 32DI (NPN/PNP), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM522S stand-alone module	AU7 522S-1NL22-CL1 (Planning)	CC-LINK V1 bus, 5PIN terminal block, 24VDC power supply, with 10-bit DIP code to set communication parameters, the body comes with 32DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM523S stand-alone module	AU7 523S-1NL22-CL1 (Planning)	CC-LINK V1 bus, 5PIN terminal block, 24VDC power supply, with 10-bit DIP code to set communication parameters, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM523S stand-alone module	AU7 523S-1BL22-TCP	Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (PNP output), IP20 protection level, support DN35 rail installation
SM523S stand-alone module	AU7 523S-1NL22-TCP	Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), IP20 protection level, support DN35 rail installation

## SM500S series order data

名称	Order number	Specification
SM531S stand-alone module	AU7 531S-7HC22-TCP	Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM531S stand-alone module	AU7 531S-7HF22-TCP	Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog inputs, 16bit accuracy, support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail installation
SM532S stand-alone module	AU7 532S-7HC22-TCP	Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM532S stand-alone module	AU7 532S-7HF22-TCP	Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 8 analog outputs, 16bit accuracy, voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation
SM535S stand-alone module	AU7 535S-7HF22-TCP	Modbus-TCP/IP, S7-TCP/IP bus, 2 RJ45 ports, 24VDC power supply, with 8-bit DIP setting station IP address, the body comes with 4 analog inputs/4 analog outputs, 16bit accuracy, input support voltage ( $\pm 10V$ , $\pm 5V$ , $0\sim 10V$ , $0\sim 5V$ ) or current ( $0\sim 20mA$ , $4\sim 20mA$ ), output support voltage ( $\pm 10V$ ) or current ( $0\sim 20mA$ ), do not support internal bus expansion module, IP20 protection level, support DN35 rail mounting
SM523S stand-alone module	AU7 523S-1NL22-MLK	MECHATROLINK-III bus, 2 RJ45 ports, 24VDC power supply, with 8 DIP setting station IP address, the body comes with 16DI (NPN/PNP), 16DO (NPN output), does not support internal bus expansion module, IP20 protection level, supports DN35 rail installation