product summary

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The AU7 300 series offers a comprehensive range of products, including digital input/output modules, analog input/output modules, temperature measurement modules, and communication modules. With flexible configurations available, these products ensure stability, reliability, and exceptional cost-effectiveness. The diverse product lineup and multiple model options make selection more convenient than ever.

Channel isolation The input channel adopts photoelectric isolation, which has good antiinterference performance and high reliability; The module bus and the power supply, the bus and the channel are Bus reliability isolated technology, the performance is stable; The product is powered by polarity protection, more protection multiple protection functions; The module is fully compatible with S7-300 strong compatibility Fully automatic patch production is completed, and the products are product process, high beautiful; High temperature aging test will be carried out before factory to ensure temperature aging high quality products.



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AU7-300 series PLC Digital module

SM321 digital input module

Product Features

- Polarity reverse protection function
- Bus and channel isolation technology is reliable
- Compatible design, easy to use

Product specifications

Order data			
model	SM32116 point input	SM32116 point input	SM32132 point input
product picture			
Product overview	16 bit input, 24VDC Stable performance and strong anti-interference performance	16 bit input, 120V/230VAC stable performance, strong anti- interference performance	32 bit input, 24VDC Stable performance and strong anti-interference performance
technical specifications			
number of order	AU7321-1BH02	AU7321-1FH00	AU7321-1BL00
Power loss			
• The bus consumes current	Approximately 18mA	About 40mA	About 45mA
• total power consumption	About 3.5W	About 5W	About 7W
Number of input points	16	16	32
Cable length (shielded)	1000m		
Cable length (unshielded)	600m		
input voltage			
• Quota value	24VDC	120V/230VAC	24VDC
• "0" signal	-30~5VDC	0~50VAC	-30~5VDC
• "1" signal	15~30VDC	85~260VAC	15~30VDC
• frequency range	/	47~65HZ	/
10 Input current	7mA	17mA	7mA
Input delay			
• Zero to one, minimal	1.2~4.8ms	25ms	1.2~4.8ms
• From 1 to 0, the smallest	1.2~4.8ms	25ms	1.2~4.8ms
Front connector	20 needles	20 needles	Forty-one needles
input characteristics	Leakage type	one	Leakage type
2-line BERO connection		support	

Static current is allowed	1.5mA	2mA	1.5mA
Insulation test voltage	500VDC		

Order data				
model	SM32116 point input	SM32116 point input	SM32132 point input	
number of order	AU7321-1BH02	AU7321-1FH00	AU7321-1BL00	
insulate				
Between the channel and the bus		have		
• interchannel	have			
Display instructions	Green LED is displayed at each channel			
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no condensation)			
Size (length x width x height)		40×125×120		
weight	About 220g	About 260g	About 350g	

specifications	number of order
SM321 digital quantity module, 16 inputs 24VDC	AU7321-1BH02
SM321 digital quantity module, 16 input 120~220VAC	AU7321-1FH00
SM321 digital quantity module, 32 inputs 24VDC	AU7321-1BL00

AU7-300 series PLC Digital module

SM322 digital output module

Product features

- Polarity reverse protection function
- Bus and channel isolation technology is reliable
- Compatible design, easy to use

Order data				
model	SM3228 point output	SM32216 point output	SM32216 point output	SM32232 point output
product picture				
Product overview	The relay outputs 120V/230VAC at 8 o'clock Stable performance and strong anti-interference performance	16 transistor output 24VDC Stable performance and strong anti-interference performance	The relay outputs 120V/230VAC at 16 o'clock Stable performance and strong anti-interference performance	32 transistor output 24VDC Stable performance and strong anti-interference performance
technical specifications				
number of order	AU7322-1HF01	AU7322-1BH01	AU7322-1HH01	AU7322-1BL00
Power loss				
• The bus consumes current	Approximately 110mA	About 80mA	Approximately 110mA	About 95mA
• total power consumption	About 5.5W	About 5W	About 5.5W	About 7W
Number of input points	8	16	16	32
Cable length (shielded)		100	00m	
Cable length (unshielded)		600	0m	
Output short circuit protection	one	Yes, electronic	one	Yes, electronic
Maximum lamp load	200W	5W	200W	5W
Output current "1"	5A	0.5A	2A	0.5A
Mechanical life of contact	1,000,000	one	1,000,000	one
Touch point electrical life (rated load)	100,000	one	100,000	one
Output current (per group)	10A	4A	8A	4A
switching frequency				
Maximum resistance load	1HZ	100HZ	1HZ	100HZ
• Inductive load,		0.5]	HZ	

AU7-300 series PLC				Digital module
maximum				
• Light load, maximum	1HZ	10HZ	1HZ	10HZ
Mechanical load, maximum	10HZ	one	10HZ	one
Front connector	20 needles	20 needles	20 needles	Forty-one needles
Static current is allowed	one	0.5mA	one	0.5mA
Insulation test voltage	500VDC			

AU7-300 series PLC Digital module

size of product

Order data				
model	SM3228 point output	SM32216 point output	SM32216 point output	SM32232 point output
number of order	AU7322-1HF01	AU7322-1BH01	AU7322-1HH01	AU7322-1BL00
insulate				
Between the channel and the bus	have			
• interchannel	have			
Display instructions		A green LED is displayed on each channel		
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no condensation)			
Size (length x width x height)	40×125×120			
weight	About 280g About 200g About 280g About 260g			

specifications	number of order
SM322 digital quantity module, 8 output relays, rated current of 5A	AU7322-1HF01
SM322 digital quantity module, 16 outputs 24VDC	AU7322-1BH01
SM322 digital quantity module, 16 output relays, rated current of 2A	AU7322-1HH01
SM322 digital quantity module, 32 outputs 24VDC	AU7322-1BL00

SM323 Digital input/output module

Product features

- Polarity reverse protection function
- Bus and channel isolation technology is reliable
- Compatible design, easy to use

Order data				
model	SM3238 point input / 8 point output	SM32316 point input/16 point output		
product picture				
Product overview	8-bit input, 24VDC, 8-bit transistor output 24VDC, stable performance, strong anti-interference performance	16-bit input, 24VDC, 16-bit transistor output 24VDC, stable performance, strong anti-interference performance		
technical specifications				
number of order	AU7323-1BH01	AU7323-1BL00		
• The bus consumes current	Abor	ut 90mA		
• total power consumption	Abo	out 7W		
input characteristics				
Number of input points	8	16		
Cable length (shielded)	1000m			
Cable length (unshielded)	600m			
input voltage				
Quota value	24V	TDC		
• "0" signal	-30~5	VDC		
• "1" signal	15~30	OVDC		
10 input current	7m	nA		
Input delay				
• Zero to one, minimal	ue, minimal 1.2~4.8ms			
• From 1 to 0, the smallest	1.2~4.8ms			
input characteristics	Leakage type			
2-line BERO connection	support			
Static current is allowed	1.5mA			
output characteristic				

A	AU7-300 series PLC			Digital module
]	Number of output points	8		16
	Cable length (shielded)	1000m		

Order data			
model	SM3238 point input / 8 point output	SM32316 point input / 16 point output	
number of order	AU7323-1BH01	AU7323-1BL00	
output characteristic	,		
Cable length (unshielded)	600	m	
Output short circuit protection	Yes, ele	ectronic	
Maximum lamp load	5W	V	
Output current	0.5	A	
Output current (per group)	4A	`	
Output a static current	0.5m	nA	
switching frequency			
Maximum resistance load	100HZ		
• Inductive load, maximum	0.5HZ		
Light load,	10Н	ZZ	
Front connector	20 needles	Forty-one needles	
insulate			
Between the channel and the bus	ha	ive	
• interchannel	ha	ive	
insulation test voltage	500V	TDC	
Display instructions	Green LED is displayed at each channel input/output		
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no condensation)		
Size (length x width x height)	40×125×120		
weight	About 200g	About 230g	

specifications	number of order
SM323 digital quantity module, 8 input /8 output 24VDC	AU7323-1BH01

AU7-300 series PLC	Digital module	e
SM323 digital quantity module, 16 input / 16 output 24VDC	AU7323-1BL00	

AU7-300 series PLC Analog module

SM331 analog input module

Product features

- Polarity reverse protection function
- Diagnosis and alarm function
- Bus and channel isolation technology is reliable
- Compatible design, easy to use

Order data	Order data				
model	SM3318 channel, voltage and current input	SM3318 channel, multi-function input	SM3318 channel, multi-function input		
product picture					
Product overview	8 channel, voltage and current analog input Software configuration input type Stable performance and strong anti-interference performance	8-channel, multi-functional analog input, external, mechanical range switch configuration input type, measurement, more stable, stable performance, strong anti-interference performance	8-channel, multi-functional analog input stable performance, strong anti- interference performance		
technical specifications					
number of order	AU7331-7KF01	AU7331-7KF02	AU7331-1KF02		
Power loss					
Quota value	24VDC	24VDC	/		
Polarization protection	have	have	/		
• The bus consumes current	About 100mA	About 100mA	About 0.5W		
• total power consumption	About 1W	About 1W	About 0.5W		
Number of input channels	8	8	8		
Cable length (shielded)	The longest is 200m, and the longest is 80mV and 50m	The longest is 200m, and the longest is 80mV and 50m	The longest is 200m		
Type and scope of inpu	ıt				
• voltage	±80mV、±250mV、±500mV、±1V、±2.5V、±5V、1~5V、±10V		1~5V、0~10V、±50mV、±500mV 、±1V、±5V、±10V		
• Four-wire current	±3.2mA、±20mA、±20mA、4~20m	A	±20mA、0~20mA、4~20mA		
Secondary current	/	4~20mA	/		
• resistance	/	600Ω、300Ω、1500	600 Ω 、6KQ		
• thermocouple	1	K, J, N, E, L	1		
• hot resistance	1	Pt100、Ni100	Pt100(-200~850°C)		
AD conversion accuracy	16	16	Thirteen		

AU7-300 series PLC Analog module

Base conversion time			
• Per channel	2.5/16.67/20/100mS	2.5/16.67/20/100mS	66/55mS
Interference suppression frequency	400/60/50/10HZ	400/60/50/10HZ	50/60HZ

Order data			
model	SM3318 channel, voltage and current input	SM3318 channel, multi-function input	SM3318 channel, multi-function input
number of order	AU7331-7KF01	AU7331-7KF02	AU7331-1KF02
error			
● voltage	±0.6%	±0.6%	±0.6%
• current	±0.6%	±0.6%	±0.6%
• resistance	/	±0.6%	±0.6%
• temperature	/	±1℃	±1°C
suspend			
Diagnostic interruption	Yes, each group can set parameters	Yes, each group can set parameters	/
• Limit value interruption	Yes, parameters can be set	Yes, parameters can be set	/
Front connector	20 needles	20 needles	Forty-one needles
Insulation test voltage	500VDC	500VDC	500VDC
insulate		·	
Between the channel and the bus	have	have	have
• interchannel	There are groups	There are groups	There are groups
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no condensation)		
Size (length x width x height)	40×125×120		
weight	About 220g	About 230g	About 260g

specifications	number of order
SM331 analog module, 8 inputs × 12 bits, 8AI, no external range configuration card, voltage and current input type, software configuration input type	AU7331-7KF01
SM331 analog module, 8 inputs × 12 bits, 8AI, external range configuration input type, multi-functional input type	AU7331-7KF02
SM331 analog module, 8 inputs × 13 bits, 8AI, multi-functional input type	AU7331-1KF02

AU7-300 series PLC Analog module

SM332 analog output module

Product features

- Polarity reverse protection function
- Bus and channel isolation technology is reliable
- Compatible design, easy to use

Order data			
model	SM3322 channel output SM3324 channel output SM3328 channel ou		SM3328 channel output
product picture			
Product overview	Two-channel voltage and current output stable performance, strong anti-interference performance	Four channel voltage and current output stable performance, strong anti-interference performance	8 channel voltage and current output stable performance, strong anti- interference performance
technical specifications			•
number of order	AU7332-5HB01	AU7332-5HD01	AU7332-5HF00
Power loss			
Quota value		24VDC	
Polarization protection		have	
• The bus consumes current	Approximately 20mA	About 40mA	About 80mA
• total power consumption	About 2W	About 3W	About 7W
Number of output channels	2	4	8
Cable length (shielded)		The longest is 200m	
output characteristic			
Voltage output and short circuit current protection		have	
Voltage output, maximum short circuit current		25mA	
Maximum open circuit voltage of the current output	18V		
load impedance			
• The voltage output is minimum	1KQ		
The maximum current output	5000		
Output range			
• voltage	±10V,0~10V,1~5V		
• current	±20mA,0~20mA,4~20mA		
DA conversion accuracy	12		

AU	77-300 series PLC		Analog module
Conv	version time (per inel)	Maximum 0.8mS	

Order data			
model	SM3322 channel output	SM3324 channel output	SM3328 channel output
number of order	AU7332-5HB01	AU7332-5HD01	AU7332-5HF00
built-up time	,		
Resistance load		0.1mS	
• Inductive load		3.3mS	
Capacitive load		0.5mS	
error			
Voltage output	±0.	6%	±1.5%
• Current output	±0.	6%	±1.5%
suspend			
Diagnostic interruption	/		
• Group of incorrect instructions		/	
Front connector	20 needles	20 needles	Forty-one needles
Insulation test voltage	500VDC		
insulate			
Between the channel and the bus	have		
Channel and power supply	have		
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no condensation)		
Size (length x width x height)	40×125×120		
weight	About 200g	About 210g	About 300g

specifications	number of order
SM332 analog module, 2 outputs × 12 bits, 2A0	AU7332-5HB01
SM332 analog module, 4 outputs × 12 bits, 4A0	AU7332-5HD01
SM332 analog module, 8 outputs × 12 bits, 8A0	AU7332-5HF00

SM331 Temperature measurement module

Product features

- Polarity reverse protection function
- Diagnosis and alarm function
- Bus and channel isolation technology is reliable
- Compatible design, easy to use

Order data			
model	SM3318 channel input	SM3318 channel input	
product picture			
Product overview	8-channel, thermistor measurement module, stable performance, strong anti-interference performance	8-channel thermocouple measurement module, stable performance, strong anti-interference performance	
technical specifications	·		
number of order	AU7331-7PF01	AU7331-7PF11	
Power loss			
Quota value	24\	VDC	
Polarization protection	ŀ	nave	
• The bus consumes current	About 140mA	About 130mA	
• total power consumption	About 2.2W	About 2.5W	
Number of input channels	8		
Cable length (shielded)	The I	ongest is 200m	
Type and scope of inpu	ıt		
• thermocouple	/	Channel groups can be configured: B, N, E, R, S, J, T, K If the configuration is C, L, U, TxK/xK (L), the corresponding channel overrange overflow occurs	
• hot resistance	Thermistor types can be configured according to channel groups and support types $Pt100\Omega,2000500\Omega,1000\Omega(a=3850PPM,3920PPM,\\3850.55PPM,3916PPM,3920PPM)Ni-1000,120\Omega,\\200\Omega,500\Omega,1000\Omega,(a=6720PPM,6178PPM)\\Cu-9.035\Omega~(a=4720PPM)~R-150\Omega,300\Omega,600\Omega\\NTC~10K~3950,NTC~10K~3435~voltage/current$	/	
AD conversion accuracy	15+ symbolic bits		
Sync mode	nonsupport		
Units of measurement data	Can be configured in Fahrenheit/degrees Celsius		
Base conversion time			

AU7-300 series PLC

Temperature

• Per channel	100mS	80mS		
Interference suppression frequency	400/60/50HZ			
error				
• voltage	±150mV	1		
• resistance	/	±0.1%		

Order data			
model	SM3318 channel input	SM3318 channel input	
number of order	AU7331-7PF01	AU7331-7PF11	
error			
• temperature	±1°	C	
suspend			
• Diagnostic interruption	nonsupport		
• process interrupt	non	support	
diagnose			
• Error message prompt	Red LED indicator		
• deagnostic message	Not readable		
Front connector	Forty-one needles		
Insulation test voltage	500VDC		
insulate			
• Between the channel and the bus	have		
• interchannel	have		
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no condensation)		
Size (length x width x height)	40×125×120		
weight	About 220g		

specifications	number of order
SM331 temperature measurement module, 8 inputs, 8× RTD	AU7331-7PF01
SM331 temperature measurement module, 8 inputs, 8×TC	AU7331-7PF11

IM153-1 PROFIBUS-DP slave interface module

Product features

- Power reverse protection function
- DP is connected to the station with a maximum rate of 12Mbps and can be expanded to 810 modules
- Fully compatible with Siemens S7300 and VIPA 300V

Order data			
model	IM153-1 PROFIBUS-DP slave interface module		
product picture			
Product overview	RS485,24VDC power supply, $9.6K\sim12Mbps$ adaptive, stable performance, strong anti-interference performance		
technical specifications			
number of order	AU7153-1AA03		
Electrical interface	RS485,1 interface		
working power supply	24VDC		
Maximum current consumption	350mA		
Power consumption, typical values	3W		
Agreement in support	PROFIBUS-DP from the station		
Supports baud rate	9.6K\19.2K\45.45K\93.75K\187.5K\500K\1M\1.5M\3M\6M\12M		
Cable length (shielded)			
Less than or equal to 19.2K	1000m		
45.45~187.5K	800m		
500K	400m		
1M\1.5M	200m		
3M~12M	100m		
From station setup			
Address Settings	1~125 (dial switch setting)		
Maximum number of stations per section	31		
Maximum number of stations per network	125, at least 1 master station and up to 1241M153-1 slave stations		
The maximum number of modules that each DP can expand from the station interface	8		
insulate			
Power supply to bus	have		
Display instructions	The power supply is ON with the green light, BF red light and SF red light		
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no		

AU7-300 series PLC		From the station
	condensation)	
Size (length x width x height)	40×125×120	
weight	About 360g	

Definition of communication ports

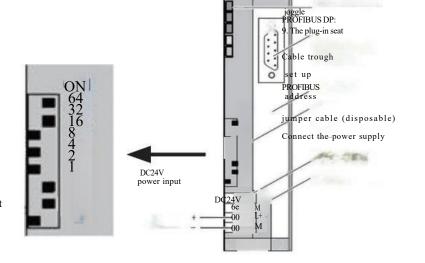
junctor	Plunger	RS485
	1	/
	2	1
7-	3	RS-485 signal B
9 . • 5	4	RTS(TTL)
	5	logic ground
• :	6	+5V,100Q series resistor
6	7	1
1	8	RS-485 signal A
	9	1
	Connector housing	The chassis is grounded

Diagram of connections

Status and error display

Address:
The DP is the sum of the values of the switches on the right side (the "ON" position) of the station address. The bottom switch does not work and is marked with a "-" sign.

The DP address is 64+32+2+1=99 from the station, and switch "I" of the DIP switch does not work. Note: After resetting the DIP switch, power off and restart to make it effective.



specifications	number of order
IM153 communication bus module, DP bus, maximum rate 12Mbps	AU7153-1AA03

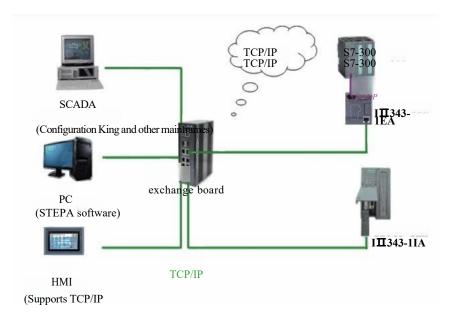
IM343 Ethernet communication interface module

Product features

- IM343 supports Ethernet to MPI protocol
- Supports simultaneous access of 4 main stations
- Power supply can be directly connected through the communication port on the CPU, easy wiring
- Small size, easy to install

Order data			
model	IM343 gateway module		
product picture			
Product overview	Port rate and station address can be set through the web page or WELLVIEW software At the same time, it supports 2 RS485 serial port master stations and 2 Ethernet master stations to access, and supports programming, online monitoring and other functions		
technical specifications			
number of order	AU7343-1EA22	AU7343-1MA22	
working power supply	24VDC (DB9 h	nead or external power terminal)	
Working current loss	≥20mA		
The slot number that is occupied by the CPU	/		
The body has more than 10	I		
RS485 serial port character	istics		
CI	2 DB9, RS485		
Communication baud rate	Web page or WELLVIEW configuration		
haul up	Less than 200 meters		
Ethernet RJ45 port charact	eristics		
CI	RJ45		
Communication baud rate	10M/100M, adaptive		
haul up	Less than 100 meters		
work environment	Working environment temperature: -20~60°C, relative humidity: 5%~90% (no condensation)		
Size (length x width x height)	71×80×62	94×21×39	

Scheme system



specifications	number of order
IM343 Ethernet communication interface module, RS485 interface, Ethernet to MPI, support 4 main station connection, 200 module shape	AU7343-1EA22
IM343 Ethernet communication interface module, RS485 interface, Ethernet to MPI, support for 4 main station connections, network connector shape	AU7343-1MA22

Communicate the cable download

Product features

- Multiple types, strong choice
- Stable performance and easy to use
- High cost performance



Order data

specifications	number of order
200 series communication adapter, domestic type, 1.5m cable, USB/PPI+	AU72102-USB

200 series bus extension

Product features

- Multiple types, strong choice
- High cost performance



Order data

specifications	number of order
200 series module bus extension cable, 0.8m cable	AU7290-6AA20

Front connector

Product features

- Strong compatibility and easy to use
- High cost performance



specifications	number of order
Connectors before 20 pins	AU7392-1AJ00
40-pin front connector	AU7392-1AMO0

Industrial accessories auxiliaries

lead rail

Product features

- Resistant to acid and alkali corrosion
- Multiple types, strong choice
- High cost performance



Order data

specifications	number of order
300PLC guide rail 160mm	AU7390-1AB60
300PLC guide rail 482mm	AU7390-1AE80
300PLC guide rail 530mm	AU7390-1AF30
300PLC guide rail 830mm	AU7390-1AJ30
300PLC rail 482mm (hot plug-in)	AU7195-1GA00
300PLC rail 530mm (hot plug-in)	AU7195-1GF30
300PLC rail 620mm (hot plug-in)	AU7195-1GG30

Industrial Ethernet RJ45 connector

Product features

- Industrial Ethernet bus connector
- No pressure wiring, more reliable contact
- Full metal shell shielding, strong anti-interference
- high performance cost ratio



specifications	number of order
Industrial Ethernet connector, 180 degrees, RJ45 interface, industrial Ethernet bus connector (4 cores), punctured multiple use wire without pressure	AU7901-1BG10-180
Industrial Ethernet connector, 90 degrees, RJ45 interface, industrial Ethernet bus connector (4 cores), puncturable and reusable wire without pressure	AU7901-1BG10-090

Industrial accessories auxiliarie

RS485, bus connector

Product features

- Variety of types and easy to use
- High cost performance



Order data

specifications	number of order
90 degree single port terminal (RS485 bus connector)	AU7972-0BA12
90 degree dual port terminal (RS485 bus connector)	AU7972-0BB12
35° single port terminal (RS485 bus connector)	AU7972-0BA41
35 degree double port terminal (RS485 bus connector)	AU7972-0BB41
180 degree single port terminal (bus connector), suitable for Oute series PLC	AU7972-0BA00

DP bus cable

Product features

- 2-core wire, red/green, with metal shielding
- High cost performance



specifications	number of order
PROFIBUS-DP bus cable (purple)	AU7830-0EH10

Industrial accessories auxiliaries

Profinet cable Product features

- Profinet cable, green
- Tin coated copper wire is stranded and the bending Angle is large
- Multi-layer shielding, strong anti-interference

Order data

specifications	number of order
Profinet bus cable, 4-core (tinned copper wire twisted), multi-layer shielding, sheath color: PVC green	AU7840-2AH10

Industrial Ethernet/EtherCAT cable

Product features

- 8-core industrial Ethernet cable
- Multi-layer shielding, strong anti-interference
- High cost performance

specifications	number of order
Industrial Ethernet/EtherCAT bus cable, 8-core, double twisted (tinned solid copper wire), multi-layer shielding sheath color: PVC green	AU7840-1EH10