司騰達股份有限公司
BHP Industry Solution



司騰達股份有限公司

HMS 台灣總代理 — Remote Access 跨國遠端連線與自動化工業的最佳選擇

司騰達公司致力於推廣數位化工廠和IIoT工業物聯網的解決方案，並與歐洲最先進的公司—HMS集團合作，同時透過引進更多歐美的技術能量，提供客戶關於工業4.0的顧問諮詢服務，並將教育與產業連結，協助台灣產業逐步完成從現場設備、生產資訊、通訊IoT的垂直整合，並整合M2M工業總線與軟體開發，從而實現數位化工廠與自動化機械領域的創新。

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Product overview

for SIMATIC S7-1200 G2

SIEMENS



SIMATIC S7-1200 G2 Basic Controller

Flexibly adaptable to your requirements

SIMATIC S7-1200 G2 controllers are the intelligent choice for compact automation solutions with integrated IOs and communication and technology functions for automation tasks in the low to medium performance range. They are available in standard and fail-safe versions.

https://www.siemens.com/s7-1200G2

System overview

The scalable SIMATIC S7-1200 G2 controllers have integrated inputs and outputs as well as communication options and are modularly expandable. Digital and analog input and output modules as well as a wide variety of communications modules enable flexible adaptation to the respective automation task. Thanks to integrated Motion Control functions, the controller family can be used for a wide range of applications in machine building, industry and special automation projects. Additional technology such as high-speed counters, pulse width modulation and pulse sequence outputs, makes possible applications such as temperature control, pump and fan control, conveyor technology and even packaging machines.

Efficient engineering

- The seamless integration of SIMATIC controllers into the shared engineering framework, TIA Portal, enables consistent data management, the smart library concept and a uniform operating philosophy. This makes it particularly easy to use the universally available functions.

High-performance controller

- State-of-the-art processing power, dedicated data communication and ample memory ensure high efficiency and scalability of all SIMATIC controllers.

Efficient Motion Control

- From simple Motion Control applications such as moving and positioning individual axes to more complex processing and handling applications with multiple coordinated motion axes. The integrated Motion Control functions in every SIMATIC S7-1200 G2 controller enable a multitude of applications in the low to medium performance range.

Safety Integrated

- The SIMATIC S7-1200 G2 Basic Controller can be easily expanded with fail-safe modules thanks to its modular signal board and signal module concept. Fail-safe automation is very easy to program, and PROFIsafe devices are connected via PROFINET.

Manifold diagnostics

- Integrated diagnostic functionality without additional programming effort with a uniform display concept – plain text information for error messages is available in TIA Portal, on the HMI and in the web server and can be retrieved via a smart query using Near Field Communication (NFC) and a mobile app. Commissioning times are shorter and production downtimes are minimized.

Security Integrated

- Secure communication, know-how protection, copy protection and access protection prevent manipulation and the opening and duplication of blocks by unauthorized persons, thus making cyber security a standard component of your automation.

A few steps to the right controller

Type of configuration, system performance, programming, Motion Control, system architecture, Do you already know which functions and performance features your controller should have? Then our function check will take you directly to the right SIMATIC controller in a few steps.

https://www.siemens.com/controller

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Central processing units



	Article number
CPU 1212C	
CPU 1212C, AC/DC/RLY, 8DI/6DO	6ES7212-1BG50-0XB0
CPU 1212C ,DC/DC/DC, 8DI/6DQ	6ES7212-1AG50-0XB0
CPU 1212C ,DC/DC/RLY, 8DI/6DO	6ES7212-1HG50-0XB0
CPU 1212FC , DC/DC/DC, 8DI/6DQ	6ES7212-1AF50-0XB0
CPU 1212FC , DC/DC/RLY, 8DI/6DO	6ES7212-1HF50-0XB0
CPU 1214C	
CPU 1214C, AC/DC/RLY, 14DI/10DO	6ES7214-1BH50-0XB0
CPU 1214C, DC/DC/DC, 14DI/10DO	6ES7214-1AH50-0XB0
CPU 1214C, DC/DC/RLY, 14DI/10DO	6ES7214-1HH50-0XB0
CPU 1214FC , DC/DC/DC, 14DI/10DQ	6ES7214-1AF50-0XB0
CPU 1214FC , DC/DC/RLY, 14DI/10DO	6ES7214-1HF50-0XB0

Signal boards



	Article number
Digital inputs	
SB 1221 Signal Board, 8DI 24VDC 100kHz	6ES7221-3BF50-0XB0
Digital outputs	
SB 1222 Signal Board, 8DQ 24VDC 100kHz	6ES7222-5BF50-0XB0
Digital inputs/outputs	
SB 1223 Signal Board, 4DI/4DQ 24V 100kHz	6ES7223-7BF50-0XB0
SB 1223 Signal Board, 4DI/4DQ 5V 200kHz	6ES7223-7AF50-0XB0
Analog inputs	
SB 1231 Signal Board, 4AI	6ES7231-4HD50-0XB0
SB 1231 RTD, AI 2x RTD	6ES7231-5PB50-0XB0
SB 1231 TC, AI 4x TC	6ES7231-5QD50-0XB0
Analog outputs	
SB 1232 Signal Board , 4AQ	6ES7232-4HD50-0XB0
Analog inputs/outputs	
SB 1233 Analog I/O, 2AI/2AQ	6ES7233-4HD50-0XB0

Communication boards



	Article number
CB 1241 Comm Board, RS485	6ES7241-1CA50-0XB0

Battery boards



	Article number
BB 1297 Battery Board CPU S7-1200 G2	6ES7297-4AX50-0XA0

: Safety-related component

* By clicking on the article number, you will be taken to the product in the TIA Selection Tool cloud.

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Digital modules



	Article number
Digital input SM 1221	
SM 1221 Digital Input , 16DI	6ES7221-1BH50-0XB0
Digital output SM 1222	
SM 1222 Digital Output, 16DQ	6ES7222-5BH50-0XB0
SM 1222 Digital Output, 16RLY	6ES7222-5HH50-0XB0
Digital I/O SM 1223	
SM 1223 Digital I/O, 8DI/8DO	6ES7223-5BH50-0XB0
SM 1223 Digital I/O, 8DI/8RLY	6ES7223-5PH50-0XB0
SM 1223 Digital I/O, 16DI/16DO	6ES7223-5BL50-0XB0
SM 1223 Digitale E/A, 16DI/16DO Sink	6ES7223-5BL50-1XB0
SM 1223 Digital I/O, 16DI/16DO	6ES7223-5PL50-0XB0

Analog modules



	Article number
SM 1231 analog input module	
SM 1231 Analog Input, 8AI	6ES7231-4HF50-0XB0
SM 1231 RTD, AI 4x RTD	6ES7231-5PD50-0XB0
SM 1231 TC, AI 8x TC	6ES7231-5QF50-0XB0
SM 1232 analog output module	
SM 1232 Analog Output, 8AQ	6ES7232-4HF50-0XB0
Analog inputs/outputs SM 1233	
SM 1233 Analog I/O, 4AI/4AQ	6ES7233-4HF50-0XB0

Simulation modules

	Article number
S7-1200 G2 Simulator SIM1274, 8 DI	6ES7274-1XF50-0XA0
S7-1200 G2 Simulator SIM1274, 14 DI	6ES7274-1XH50-0XA0

Communication modules



	Article number
CM 1241 Comm Module, RS232/422/485	6ES7241-1EA50-0XB0
Compact Switch Module CSM 1277 G2	6GK7277-1AA50-0AA0

: Safety-related component

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Power supplies



	Article number
SIMATIC PM1207/1AC/24VDC/5A	6EP3333-4SB00-3AX0
SIMATIC PM1207/1AC/24VDC/5A/EX	6EP3333-4SC00-3AX0

Accessories



	Article number
Memory card	
SIMATIC S7 memory card, 4 MB	6ES7954-8LC04-0AA0
SIMATIC S7 Memory Card, 12 MB	6ES7954-8LE04-0AA0
SIMATIC S7 Memory Card, 24 MB	6ES7954-8LF04-0AA0
SIMATIC S7 Memory Card, 256 MB	6ES7954-8LL04-0AA0
SIMATIC S7 Memory Card, 2 GB	6ES7954-8LP04-0AA0
SIMATIC S7 Memory Card, 32 GB	6ES7954-8LT04-0AA0
Standard rail	
Stand.sectional Rail 35mm, Length 483mm	6ES5710-8MA11
Stand.sectional Rail 35mm, Length 530mm	6ES5710-8MA21
Stand.sectional Rail 35mm, Length 830mm	6ES5710-8MA31
Stand.sectional Rail 35mm, Length 2m	6ES5710-8MA41
END HOLDER, GRAY	8WH9150-0CA00
Replacement cover caps	
Door kit CPU 1212 (2/package)	6ES7291-1AA50-0XA0
Door Kit CPU 1214 (2/Pack)	6ES7291-1AB50-0XA0
Door Kit Signal Module, 30 mm (2/Pack)	6ES7291-1BA50-0XA0

: Safety-related component

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自動化工業與跨國遠端連線的最佳選擇

Ewon Cosy
VPN 遠端連線



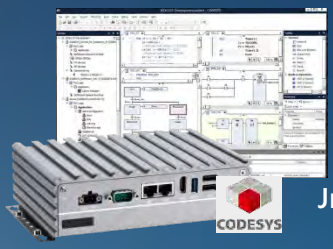
Ewon Flexy205
VPN+IOT 物聯網模組



Anybus X-Gateway



CODESYS SoftPLC

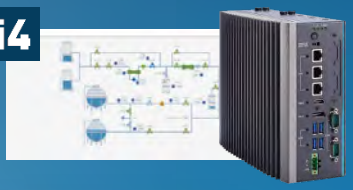


Jmobile HMI/SCADA IPC



工業 4.0 數位工廠與
工業物聯網解決方案

i4-SCADA IPC





WAGO750 Remote IO
EtherCAT / PROFINET



SIEMENS ET 200SP
PROFINET Remote Io



MR JET 系列
EtherCAT 伺服馬達



eSMART Web HMI
Esmart04/07/10

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