

SIEMENS



Product overview for SIMATIC ET 200MP

TIA Selection Tool Web



SIMATIC ET 200MP

Das modulare IO-System für SIMATIC S7-1500

SIMATIC ET 200MP ist ein modulares und skalierbares Peripheriesystem mit hoher Kanaldichte und geringer Teilevarianz.

SIMATIC ET 200 MP ist für die Schutzart IP20 zugelassen und für den Einbau in einem Schaltschrank konzipiert. Es wird sowohl als zentrale Peripherie für den Advanced Controller S7-1500, als auch im dezentralen Aufbau verwendet.

<http://www.siemens.com/et200mp>

Highlights

Leichte Verkabelung und werkzeugloser Aufbau ermöglichen einen schnellen und einfachen Stationsaufbau

- Werkzeuglose Verkabelung mit Push-in Klemme.
- Schirmanschlussklemme für Analogsignale.
- Werkzeugloser Aufbau der Station.
- Geringe Teilevarianz der Module.

Technology modules offer hardware-level signal pre-processing for:

- Applications with artificial intelligence.
- Fast counting.
- Measurement and position detection for different encoders.
- Energy management.
- Weighing and dosing tasks.

Fehlersichere Module können zur Einsparung von Engineering-Aufwand oder Hardware gesteckt oder nachgerüstet werden

- Eine Steuerung, ein Engineering, eine Kommunikation für Standard- und fehlersichere Automation.
- SIL 3 mit Safety DI / DQ Modulen.
- SIL 2 mit Standard AQ / DQ über sichere Gruppenabschaltung.

Integrierte Diagnose sorgt für schnelle Fehlerlokalisierung

- Einheitliche Anzeige am Modul.
- 1:1 Zuordnung LED zu Kanal.
- Schnelle Fehlersuche über das Display der S7-1500.

Robustheit gegenüber äußeren Störeinflüssen

- Durchgängiges Schirmkonzept mit direkter Schirmung der Analogsignale an der Baugruppe.
- Trennung von Signalleitungen und DC 24 V-Versorgungsleitungen.

Hohe Flexibilität durch Abdeckung vielfältiger Funktionen

- Digitale und analoge Ein-/Ausgänge.
- CPUs mit voller S7-1500 Funktionalität.
- Motor starters for drives.

Interface modules



	Article number
ET 200MP, IM 155-5 PN BA	6ES7155-5AA00-0AA0
ET 200MP, IM 155-5 PN ST	6ES7155-5AA01-0AB0
ET 200MP, IM 155-5 PN HF	6ES7155-5AA00-0AC0
ET 200MP, IM155-5 DP ST	6ES7155-5BA00-0AB0
SIPLUS	
SIPLUS ET 200MP IM155-5 PN HF	6AG1155-5AA00-2AC0
SIPLUS ET 200MP IM 155-5 PN ST	6AG1155-5AA01-7AB0
SIPLUS ET 200MP IM155-5 DP ST	6AG1155-5BA00-2AB0
SIPLUS ET 200MP IM 155-5 PN HF T1 RAIL	6AG2155-5AA00-1AC0
SIPLUS ET 200MP IM155-5 PN ST TX RAIL	6AG2155-5AA01-4AB0

Digital modules



	Article number
Digital input	
S7-1500, DI 32x24VDC HF	6ES7521-1BL00-0AB0
S7-1500, DI 32x24VDC BA	6ES7521-1BL10-0AA0
S7-1500, DI 16x24VDC HF	6ES7521-1BH00-0AB0
S7-1500, DI 16x24VDC BA	6ES7521-1BH10-0AA0
S7-1500, DI 16x230VAC BA	6ES7521-1FH00-0AA0
S7-1500, DI 16x24VDC SRC BA	6ES7521-1BH50-0AA0
S7-1500, DI 16 x 24...125V UC HF	6ES7521-7EH00-0AB0
S7-1500, DI 16XNAMUR HF	6ES7521-7TH00-0AB0
ET 200MP, F-DI 16X24VDC	6ES7526-1BH00-0AB0
S7-1500, DI 64x24VDC SNK/SRC BA	6ES7521-1BP00-0AA0
SIPLUS S7-1500 DI 32X24VDC HF	6AG1521-1BL00-7AB0
SIPLUS S7-1500 DI 16X230VAC BA	6AG1521-1FH00-7AA0
SIPLUS S7-1500 DI 16X24VDC HF	6AG1521-1BH00-7AB0
SIPLUS S7-1500 DI 16X24VDC SRC BA	6AG1521-1BH50-7AA0
SIPLUS S7-1500 DI 48VUC/125VDC HF	6AG1521-7EH00-7AB0
SIPLUS S7-1500 F-DI 16x24VDC	6AG1526-1BH00-2AB0
SIPLUS S7-1500 DI 16x24VDC HF TX RAIL	6AG2521-1BH00-4AB0
SIPLUS S7-1500 DI 16x110VDC HF TX RAIL	6AG2521-7EH00-4AB0
SIPLUS S7-1500 F-DI 16x24VDC T1 RAIL	6AG2526-1BH00-1AB0
Digital output	
S7-1500, DQ 32x24VDC/0.5A HF	6ES7522-1BL01-0AB0
S7-1500, DQ 32x24VDC/0.5A BA	6ES7522-1BL10-0AA0
S7-1500, DQ 16x24V DC/0.5A HF	6ES7522-1BH01-0AB0
S7-1500, DQ 16x24VDC/0.5A BA	6ES7522-1BH10-0AA0
S7-1500, DQ 8x24VDC/2A HF	6ES7522-1BF00-0AB0
S7-1500, DQ 8x230VAC/2A ST (Triac)	6ES7522-5FF00-0AB0
S7-1500, DQ 8x230VAC/5A ST (Relay)	6ES7522-5HF00-0AB0
S7-1500, DQ 16x230VAC/1A ST (Triac)	6ES7522-5FH00-0AB0
S7-1500, DQ 16x230VAC/2A ST (Relay)	6ES7522-5HH00-0AB0
S7-1500, DQ 16x24...48VUC/125VDC/0.5A ST	6ES7522-5EH00-0AB0
S7-1500, DQ 64x24VDC/0.3A BA	6ES7522-1BP00-0AA0
S7-1500, DQ 64x24VDC/0.3A SNK BA	6ES7522-1BP50-0AA0
ET 200MP, F-DQ 8x24VDC 2A PPM	6ES7526-2BF00-0AB0
SIPLUS S7-1500 DQ 8X230VAC/5A ST (RELAY)	6AG1522-5HF00-2AB0
SIPLUS S7-1500 DQ 8X24VDC/2A HF	6AG1522-1BF00-7AB0
SIPLUS S7-1500 DQ 8X230VAC/2A ST (TRIAC)	6AG1522-5FF00-7AB0
SIPLUS S7-1500 16DQ 230VAC 1A ST TRIAC	6AG1522-5FH00-7AB0
SIPLUS S7-1500 16DQ 230VAC 2A RLY	6AG1522-5HH00-7AB0
SIPLUS S7-1500 DQ 16X24VDC/0.5A HF	6AG1522-1BH01-7AB0


 : Safety-related component

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Digital modules

	Article number
SIPLUS S7-1500 DQ 16x48VUC/125VDC ST	6AG1522-5EH00-7AB0
SIPLUS S7-1500 DQ 32x24VDC/0.5A HF	6AG1522-1BL01-7AB0
SIPLUS S7-1500 F-DQ 8x24VDC/2A	6AG1526-2BF00-2AB0
SIPLUS S7-1500 DQ 16x24VDC HF TX RAIL	6AG2522-1BH01-4AB0
SIPLUS S7-1500 DQ 16x110VDC ST TX RAIL	6AG2522-5EH00-4AB0
SIPLUS S7-1500 DQ 8x230VAC ST 5A T1 RAIL	6AG2522-5HF00-1AB0
SIPLUS S7-1500 F-DQ 8x24VDC 2A T1 RAIL	6AG2526-2BF00-1AB0
Digital inputs/outputs	
S7-1500, DI 16x24VDC/DQ 16x24VDC/0.5A BA	6ES7523-1BL00-0AA0
S7-1500, DI 32x24VDC/DQ 32x24VDC/0.3A BA	6ES7523-1BP50-0AA0

Analog modules

	Article number
Analog input	
 S7-1500, AI 8xU/I/RTD/TC ST	6ES7531-7KF00-0AB0
S7-1500, AI 8xU/I HS	6ES7531-7NF10-0AB0
S7-1500, AI 8 X U/R/RTD/TC HF	6ES7531-7PF00-0AB0
S7-1500, AI 8xU/I HF	6ES7531-7NF00-0AB0
S7-1500, AI 4xU/I/RTD/TC ST	6ES7531-7QD00-0AB0
S7-1500, AI 8xU/I/R/RTD BA	6ES7531-7QF00-0AB0
S7-1500, AI 16xU BA	6ES7531-7LH00-0AB0
S7-1500, AI 16xI BA	6ES7531-7MH00-0AB0
SIPLUS S7-1500 AI 8XU/I HS	6AG1531-7NF10-7AB0
SIPLUS S7-1500 AI 8XU/I/RTD/TC ST	6AG1531-7KF00-7AB0
SIPLUS S7-1500 AI 8XU/I HF	6AG1531-7NF00-7AB0
SIPLUS S7-1500 AI 8 X U/R/RTD/TC HF	6AG1531-7PF00-4AB0
SIPLUS S7-1500 AI 8xU/I/RTD/TC TX RAIL	6AG2531-7KF00-4AB0
SIPLUS S7-1500 AI 8xU/I HS TX RAIL	6AG2531-7NF10-4AB0
Analog output	
S7-1500, AQ 8xU/I HS	6ES7532-5HF00-0AB0
S7-1500, AQ 4xU/I ST	6ES7532-5HD00-0AB0
S7-1500, AQ 4xU/I HF	6ES7532-5ND00-0AB0
S7-1500, AQ 2xU/I ST	6ES7532-5NB00-0AB0
SIPLUS S7-1500 AQ 4XU/I ST	6AG1532-5HD00-7AB0
SIPLUS S7-1500 AQ 8XU/I HS	6AG1532-5HF00-7AB0
SIPLUS S7-1500 AQ 4xU/I ST TX RAIL	6AG2532-5HD00-4AB0
Analog inputs/outputs	
S7-1500, AI 4x U/I/RTD/TC/AQ 2x U/I ST	6ES7534-7QE00-0AB0

Communication modules

	Article number
	
S7-1500, CM PTP RS232 BA	6ES7540-1AD00-0AA0
S7-1500, CM PTP RS422/485 BA	6ES7540-1AB00-0AA0
S7-1500, CM PTP RS232 HF	6ES7541-1AD00-0AB0
S7-1500, CM PTP RS422/485 HF	6ES7541-1AB00-0AB0
S7-1500, CM 8xIO-Link	6ES7547-1JF00-0AB0
SIPLUS	
SIPLUS S7-1500 CM PTP RS232 BA	6AG1540-1AD00-7AA0
SIPLUS S7-1500 CM PTP RS232 HF	6AG1541-1AD00-7AB0
SIPLUS S7-1500 CM PTP RS422/485 BA	6AG1540-1AB00-7AA0
SIPLUS S7-1500 CM PTP RS422/485 HF	6AG1541-1AB00-7AB0
SIPLUS S7-1500 CM PTP RS422/485 TX RAIL	6AG2541-1AB00-4AB0

 : Safety-related component

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Communication modules

Article number

SIPLUS S7-1500 CM PtP RS232 HF TX RAIL	6AG2541-1AD00-4AB0
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Technology modules

Article number

**Counting**

S7-1500, DI 16x24VDC HF	6ES7521-1BH00-0AB0
S7-1500, DI 32x24VDC HF	6ES7521-1BL00-0AB0
S7-1500, DI 16XNAMUR HF	6ES7521-7TH00-0AB0
S7-1500, TM Posinput 2	6ES7551-1AB00-0AB0
S7-1500, TM Timer DIDQ 16x24V	6ES7552-1AA00-0AB0
S7-1500, TM Count 2x24V	6ES7550-1AA01-0AB0
SIPLUS S7-1500 DI 32X24VDC HF	6AG1521-1BL00-7AB0
SIPLUS S7-1500 DI 16X24VDC HF	6AG1521-1BH00-7AB0
SIPLUS S7-1500 TM POSINPUT 2	6AG1551-1AB00-7AB0
SIPLUS S7-1500 TM COUNT 2X24V	6AG1550-1AA01-7AB0
SIPLUS S7-1500 DI 16x24VDC HF TX RAIL	6AG2521-1BH00-4AB0

Power control / Pulse width modulation

S7-1500, DQ 8x24VDC/2A HF	6ES7522-1BF00-0AB0
S7-1500, TM Timer DIDQ 16x24V	6ES7552-1AA00-0AB0
SIPLUS S7-1500 DQ 8X24VDC/2A HF	6AG1522-1BF00-7AB0

Weighing

SIWAREX WP521 ST WEIGHING ELECTRONIC	7MH4980-1AA01
SIWAREX WP522 ST WEIGHING ELECTRONIC	7MH4980-2AA01

Position detection

S7-1500, TM Posinput 2	6ES7551-1AB00-0AB0
S7-1500, TM Count 2x24V	6ES7550-1AA01-0AB0
SIPLUS S7-1500 TM POSINPUT 2	6AG1551-1AB00-7AB0
SIPLUS S7-1500 TM COUNT 2X24V	6AG1550-1AA01-7AB0

Stepper motor control

S7-1500, TM PTO4	6ES7553-1AA00-0AB0
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Oversampling

S7-1500, AI 8xU/I HS	6ES7531-7NF10-0AB0
S7-1500, AQ 8xU/I HS	6ES7532-5HF00-0AB0
S7-1500, TM Timer DIDQ 16x24V	6ES7552-1AA00-0AB0
SIPLUS S7-1500 AI 8XU/I HS	6AG1531-7NF10-7AB0
SIPLUS S7-1500 AQ 8XU/I HS	6AG1532-5HF00-7AB0
SIPLUS S7-1500 AI 8xU/I HS TX RAIL	6AG2531-7NF10-4AB0

Cam controller

S7-1500, TM Timer DIDQ 16x24V	6ES7552-1AA00-0AB0
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Time-based IO

S7-1500, TM Timer DIDQ 16x24V	6ES7552-1AA00-0AB0
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System power supplies

	Article number	
	S7-1500, PS 25W 24V DC	6ES7505-0KA00-0AB0
	S7-1500, PS 60W 24/48/60V DC	6ES7505-0RA00-0AB0
	S7-1500, PS 60W 24/48/60V DC HF	6ES7505-0RB00-0AB0
	S7-1500, PS 60W 120/230V AC/DC	6ES7507-0RA00-0AB0
	SIPLUS	
	SIPLUS S7-1500 PS 60W 24/48/60V DC	6AG1505-0RA00-7AB0
SIPLUS S7-1500 PS 60W 120/230V AC/DC	6AG1507-0RA00-7AB0	
SIPLUS S7-1500 PS 25W 24V DC	6AG1505-0KA00-7AB0	


Load current supplies

	Article number	
	SIMATIC PM1507/1AC/24VDC/3A	6EP1332-4BA00
	SIMATIC PM1507/1AC/24VDC/8A	6EP1333-4BA00
	SIPLUS	
	SIPLUS S7-1500 PM 1507 24V/3A	6AG1332-4BA00-7AA0
	SIPLUS S7-1500 PM 1507 24V/8A	6AG1333-4BA00-7AA0

Slot protector

	Article number	
	Slot Cover Active Backplane S7-1500	6ES7590-0CA00-0AA0

Accessories

	Article number	
	Front connector	
	Frontconnector Screw Type (35mm Mod.)	6ES7592-1AM00-0XB0
	Frontconnector Push-in (35mm Mod.)	6ES7592-1BM00-0XB0
	Frontconnector Push-in (25mm Mod.)	6ES7592-1BM00-0XA0
	Front door	
	Universal Front Door S7-1500 IO (35mm)	6ES7528-0AA00-7AA0
	Universal Front Door S7-1500 IO(25mm)	6ES7528-0AA00-0AA0
	Universal Front Door IM155-5	6ES7528-0AA70-7AA0
	Labeling sheets	
	Labeling Sheets S7-1500, AL grey	6ES7592-2AX00-0AA0
	Labeling Sheets S7-1500, AL grey	6ES7592-1AX00-0AA0
	Miscellaneous	
	Grounding Element (20pcs.)	6ES7590-5AA00-0AA0
	U-Type-Connector S7-1500 (Spare Part)	6ES7590-0AA00-0AA0
	Shielding Set f. S7-1500 25mm Modules	6ES7590-5CA10-0XA0

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Accessories

	Article number
Shielding Set f. S7-1500 35mm Modules	6ES7590-5CA00-0AA0
Connector Plug for Power Supply (PS/PM)	6ES7590-8AA00-0AA0
Shielding Terminal S7-1500 Periphery	6ES7590-5BA00-0AA0
Jumpers (35mm Mod.)	6ES7592-3AA00-0AA0
Repeater RS485 f. PROFIBUS/MPI	6ES7972-0AA02-0XA0
Diagnostic repeater f. PROFIBUS-DP,	6ES7972-0AB01-0XA0
SIPLUS S7-1500 U-Verbinder	6AG1590-0AA00-7AA0
SIPLUS DP RS485-Repeater	6AG1972-0AA02-7XA0
SIPLUS DP Diagnose-Repeater	6AG1972-0AB01-4XA0
Accessories M8, M12	
AS-INTERFACE, BLANK PLUG	3RK1901-1KA00
M12 PROFIBUS SOCKET ANGLED	3RK1902-4HB15-5AA0
M12 PROFIBUS SOCKET ANGLED	3RK1902-4HB50-5AA0
M12 PROFIBUS SOCKET ANGLED	3RK1902-4HC01-5AA0
M12 - M12 CABLE 1.5M 3 POLE	3RK1902-4PB15-3AA0
ET200, Y Cable	6ES7194-6KA00-0XA0
Conn. Cable IO-Link, 2 X M12-4pin, 5m	6GT2891-4MH50
Conn. Cable IO-Link, 2 X M12-4pin, 10m	6GT2891-4MN10
Control Cable 5 core cable sold by meter	6XV1801-2C
Control Connecting Cable M12/M12, 0,5m	6XV1801-2CE50
Control Connecting Cable M12/M12, 1,0m	6XV1801-2CH10
Control Connecting Cable M12/M12, 1,0m	6XV1801-2CH15
Control Connecting Cable M12/M12, 2,0m	6XV1801-2CH20
Control Connecting Cable M12/M12, 3,0m	6XV1801-2CH30
Control Connecting Cable M12/M12, 5,0m	6XV1801-2CH50
Control Connecting Cable M12/M12, 10,0m	6XV1801-2CN10
Control Connecting Cable M12/M12, 15,0m	6XV1801-2CN15

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