

New Modules Supported from STEP 7 V5.1 SP2 Onwards

Product	MLFB	FWVersion	Short Description
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S7-400

CPU 412-1	6ES7 412-1XF03-0AB0	V3.0	Work memory 48 KB code and 48 KB data; 0.2 ms/1000 instructions; 2 KB DI/O; 16 connections; 1*DP/MPI; capable of receiving in direct data exchange; constant bus cycle time; routing; with multicomputing capability; firmware V3.0
CPU 412-2 DP	6ES7 412-2XG00-0AB0	V3.0	Work memory 72KB code and 72 KB data; 0.2 ms/1000 instructions; 2 KB DI/O; 16 connections; 2*DP/MPI; capable of receiving in direct data exchange; constant bus cycle time; routing; with multicomputing capability; firmware V3.0
CPU 414-2 DP	6ES7 414-2XG03-0AB0	V3.0	Work memory 128KB code and 128 KB data; 0.1 ms/1000 instructions; 8 KB DI/O; 32 connections; 2*DP/MPI; capable of receiving in direct data exchange; constant bus cycle time; routing; with multicomputing capability;
CPU 414-3 DP	6ES7 414-3XJ00-0AB0	V3.0	Work memory 384KB code and 384 KB data; 0.1 ms/1000 instructions; 8 KB DI/O; 32 connections; 2*DP/MPI and 1 slot for IF submodule; capable of receiving in direct data exchange; constant bus cycle time; routing; with multicomputing capability; firmware V3.0
CPU 416-2 DP	6ES7 416-2XK02-0AB0	V3.0	Work memory 0.8 MB code and 0.8 MB data; 0.08 ms/1000 instructions; 16 KB DI/O; 64 connections; 2*DP/MPI; capable of receiving in direct data exchange; constant bus cycle time; routing; with multicomputing capability; firmware V3.0
CPU 416-3 DP	6ES7 416-3XL00-0AB0	V3.0	Work memory 1.6MB code and 1.6MB data; 0.08 ms/1000 instructions; 16 KB DI/O; 64 connections; 2*DP/MPI and 1 slot for IF submodule; capable of receiving in direct data exchange; constant bus cycle time; routing; with multicomputing capability; firmware V3.0
CPU 417-4	6ES7 417-4XL00-0AB0	V3.0	Work memory 2 MB code and 2 MB data (expandable to 20 MB); 0.1 ms/1000 instructions; 16KB DI/O; 64 connections; 2*DP/MPI and 2 slots for IF submodules; with multicomputing capability, capable of receiving in direct data exchange, constant bus cycle time, routing, firmware V3.0
DO16xDC 24V/2A	6ES7 422-1BH11-0AA0		Digital output module DO16, 24 V / 2 A, grouping 8
CP443-1	6GK7 443-1EX11/EX10-0XE0	V2.0	Ethernet CP - factory - set MAC adress
CP443-5 Extended	6GK7 443-5DX03-0XE0	V4.0	PROFIBUS CP functionality extended by DPV1

S7-300

CPU 312C	6ES7 312-5BD00-0AB0	V1.0	16 KB work memory; 0.2ms/1000 instructions; DI10/DO6 integrated; 2 pulse outputs (2.5 kHz); 2 channels counting and measuring incremental encoders 24 V (10 kHz); MPI attachment; single-tier configuration up to 8 modules; firmware V1.0
CPU 313C	6ES7 313-5BE00-0AB0	V1.0	32 KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 3 pulse outputs (2.5 kHz); 3 channels counting and measuring incremental encoders 24 V (30 kHz); MPI attachment; multi-tier configuration up to 31 modules; firmware V1.0
CPU 313C-2 DP	6ES7 313-6CE00-0AB0	V1.0	32 KB work memory; 0.1ms/1000 instructions; DI16/DO16 integrated; 3 pulse outputs (2.5 kHz); 3 channels counting and measuring incremental encoders 24 V (30 kHz); MPI+ DP attachment (DP master or DP slave); multi-tier configuration up to 31 modules; send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V1.0
CPU 313C-2 PtP	6ES7 313-6BE00-0AB0	V1.0	32 KB work memory; 0.1ms/1000 instructions; DI16/DO16 integrated; 3 pulse outputs (2.5 kHz); 3 channels counting and measuring incremental encoders 24 V (30 kHz); MPI+ PtP attachment (RS-422/485 (ASCII, 3964(R))); multi-tier configuration up to 31 modules; firmware V1.0

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CPU 314C-2 DP	6ES7 314-6CF00-0AB0	V1.0	48 KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5 kHz); 4 channels counting and measuring incremental encoders 24 V (60 kHz); integrated positioning function; MPI+ DP attachment (DP master or DP slave); multi-tier configuration up to 31 modules; send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V1.0
CPU 314C-2 PtP	6ES7 314-6BF00-0AB0	V1.0	48 KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5 kHz); 4 channels counting and measuring incremental encoders 24 V (60 kHz); integrated positioning function; MPI+ PtP attachment (RS-422/485 (ASCII, 3964(R), RK512)); multi-tier configuration up to 31 modules; firmware V1.0
CPU 318-2	6ES7 318-2AJ00-0AB0	V3.0	Work memory 256KB; 0.3ms/1000 instructions; MPI+ DP attachment (DP master or DP slave); multi-tier configuration up to 32 modules; capable of receiving and sending in direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V3.0
AI8x13Bit	6ES7 331-1KF00-0AB0		Analog input module. AI 8x13 bits
CP 343-1	6GK7 343-1EX11/EX10-0XE0	V2.0	functionality extendet by S7 connections
CP 343-1 PN	6GK7 343-1HX00 - 0XE0		(P)rofi(N)et CP
CP 342-5	6GK7 342-5DA02-0XE0	V5.0	functionality extendet by S7 connections
CP 342-5 FO	6GK7 342-5DF00-0XE0	V5.0	functionality extendet by S7 connections
CP 343-5	6GK7 343-5FA01-0XE0	V4.0	FMS CP, extendet by 12 Mbps

PC Based Control

CPU 412-2 PCI V3.0	6ES7 612-2QH00-0AB4	V3.0	CPU 412-2 PCI as plug-in card for PCs; constant bus cycle time; routing; firmware V3.0
CPU 416-2 PCI V3.0	6ES7 616-2QL00-0AB4	V3.0	CPU 416-2 PCI as plug-in card for PCs; constant bus cycle time; routing; firmware V3.0
WinLC PN V1.0	6ES7 611-1PY10-0YB7		WinLC PN 1.0; Windows Logic Controller for Windows 2000; DP attachment (DP master); supports PROFInet
CP 1612	6GK1 161-2AA00		successer to the CP1411, identical configuration, PCI
CP 1512	6GK1 151-2AA00		successer to the CP1411, identical configuration, PCMCIA

PROFIBUS

ET200iS 2 AI 4-20mA	6ES7 134-5RB00-0AB0		Analog input module 2x4-20 mA, 2-wire transmitter
ET200iS 2 AI 0/4-20mA	6ES7 134-5RB50-0AB0		Analog input module 2x0/4-20 mA, 4-wire transmitter
ET200iS 2 AI HART	6ES7 134-5TB00-0AB0		Analog input module 2xHART, 2-wire transmitter
ET200iS 2 AI HART	6ES7 134-5TB50-0AB0		Analog input module 2xHART, 4-wire transmitter
ET200iS 2 AI RTD	6ES7 134-5SB50-0AB0		Analog input module 2xRTD
ET200iS 2 AI TC	6ES7 134-5SB00-0AB0		Analog input module 2xTC
ET200iS 2 AO 0/4-20mA	6ES7 135-5RB00-0AB0		Analog output module 2x0/4-20 mA
ET200iS 2 AO HART	6ES7 135-5TB00-0AB0		Analog output module 2xHART
ET200iS 4 DI NAMUR	6ES7 131-5RD00-0AB0		Digital input module 4xNAMUR
ET200iS IM151-2	6ES7 151-2AA00-0AB0		ET 200iS interface module for intrinsically safe DP
ET200iS PS	6ES7 138-5EA00-0AA0		EX power supply module
ET200iS 2 DO DC25V/25mA	6ES7 132-5SB00-0AB0		Digital output module DO 2xDC25V/25mA

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ET200S 1 Pos Inc / Digital	6ES7 138-4DG00-0AB0		Positioning module for controlled positioning, incremental encoder 5V differential signals, drive controlled via digital outputs run minus, run plus, rapid/creep speed
ET200S 1 Pos SSI / Digital	6ES7 138-4DH00-0AB0		Positioning module for controlled positioning, SSI encoder, drive controlled via digital outputs run minus, run plus, rapid/creep speed
ET200S DS1e-x 0,3-3A High F.	3RK1 301-0AB10-0AA2		Direct starter; switch mechanically; electronic overload protection; unfused; up to 1.1 KW/400 V; 0.30 A up to 3.00 A; Option: brake control module, control module; high feature
ET200S DS1e-x 2,4-8A High F.	3RK1 301-0BB10-0AA2		Direct starter; switch mechanically; electronic overload protection; unfused; up to 3.0 KW/400 V; 2.40 A up to 8.00 A; Option: brake control module, control module; high feature
ET200S DS1e-x 2,4-16A High F.	3RK1 301-0CB10-0AA2		Direct starter; switch mechanically; electronic overload protection; unfused; up to 7.5 KW/400 V; 2.40 A up to 16 A; Option: brake control module, control module; high feature
ET200S RS1e-x 0,3-3A High F.	3RK1 301-0AB10-1AA2		Reverse starter; switch mechanically; electronic overload protection; unfused; up to 1.1 KW/400 V; 0.30 A up to 3.00 A; Option: brake control module, control module; high feature
ET200S RS1e-x 2,4-8A High F.	3RK1 301-0BB10-1AA2		Reverse starter; switch mechanically; electronic overload protection; unfused; up to 3.0 KW/400 V; 2.40 A up to 8.00 A; Option: brake control module, control module; high feature
ET200S RS1e-x 2,4-16A High F.	3RK1 301-0CB10-1AA2		Reverse starter; switch mechanically; electronic overload protection; unfused; up to 7.5 KW/400 V; 2.40 A up to 16 A; Option: brake control module, control module; high feature
ET200S DSS1e-x 0,3-3A High F.	3RK1 301-0AB20-0AA2		Direct soft starter; switch electronically; electronic overload protection; unfused; up to 1.1 KW/400 V; 0.30 A up to 3.00 A; Option: brake control module, control module; high feature
ET200S DSS1e-x 2,4-8A High F.	3RK1 301-0BB20-0AA2		Direct soft starter; switch electronically; electronic overload protection; unfused; up to 3.0 KW/400 V; 2.40 A up to 8.00 A; Option: brake control module, control module; high feature
ET200S DSS1e-x 2,4-16A High F.	3RK1 301-0CB20-0AA2		Direct soft starter; switch electronically; electronic overload protection; unfused; up to 7.5 KW/400 V; 2.40 A up to 16 A; Option: brake control module, control module; high feature
ET200S 1 SI Modbus Master (4 B)	6ES7 138-4DF10-0AB0		Communications processor with RS-232/RS-422/RS-485 connection and Modbus Master driver using 4-byte IO interface.
ET200S 1 SI Modbus Master (8 B)	6ES7 138-4DF10-0AB0		Communications processor with RS-232/RS-422/RS-485 connection and Modbus Master driver using 8-byte IO interface.
ET200S 1 SI Modbus Slave (4 B)	6ES7 138-4DF10-0AB0		Communications processor with RS-232/RS-422/RS-485 connection and Modbus Slave driver using 4-byte IO interface.
ET200S 1 SI Modbus Slave (8 B)	6ES7 138-4DF10-0AB0		Communications processor with RS-232/RS-422/RS-485 connection and Modbus Slave driver using 8-byte IO interface.
ET200S 1 SI USS Master (4 Byte)	6ES7 138-4DF10-0AB0		Communications processor with RS-485 connection and USS Master driver using 4-byte IO interface.
ET200S 1 SI USS Master (8 Byte)	6ES7 138-4DF10-0AB0		Communications processor with RS-485 connection and USS Master driver using 8-byte IO interface.
ET200S 1 CTR 24V/100 kHz C	6ES7 138-4DA02-0AB0 C		Counter module, 24 V/100 kHz for once-only, endless- and periodic counting
ET200S 1 CTR 24V/100 kHz M	6ES7 138-4DA02-0AB0 M		Counter module, 24 V/100 kHz for measurement of rotational speed, frequency, and period
ET200S 1 Pos SSI / Analog	6ES7 138-4DK00-0AB0		Positioning module for controlled positioning, SSI encoder, drive controlled via analog output +/-10V
ET200S 1 Pos Inc / Analog	6ES7 138-4DJ00-0AB0		Positioning module for controlled positioning, incremental encoder 5V differential signals, drive controlled via analog output +/-10V
Diagnostic Repeater	6ES7 972-0AB00-0XA0		Diagnostic Repeater for line diagnostics on the PROFIBUS-DP (RS485), IP20, up to 12 Mbaud