

What's New in STEP 7 Lite V3.0

The following topics have been updated:

Installation

STEP 7 Lite V3.0 SP4 is released for MS Windows XP Home and MS Windows XP Professional

New Licensing Procedure

As of STEP 7 Lite V3.0 there is a new licensing procedure. User rights are no longer issued by means of authorizations but now by means of license keys. License Keys are managed in the Automation License Manager (see User Rights through the Automation License Manager). The "AuthorsW" program is no longer used

Hardware Configuration

The following modules are now supported with STEP 7 Lite V3.0:

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
C7-635 Key	6ES7 635-2EC01-0AE3	V2.0	Complete device; OP 170 B + CPU with 64KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measurement with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.0
C7-635 Touch	6ES7 635-2EB01-0AE3	V2.0	Control system; TP 170 B + CPU with 64KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channels counting and measuring incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.0
C7-613	6ES7 613-1CA01-0AE3	V2.0	Complete device; display and operator unit 4 rows, 21 buttons + CPU with 32KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI connector; single-tier configuration up to 4 modules; firmware V2.0

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
C7-636 Key	6ES7 636-2EC00-0AE3	V2.0	Complete device; OP 270 6" + CPU with work memory 128KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4-channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (downloadable FBs/FCs); firmware V2.0
CPU 317-2 PN/DP	6ES7 317-2EJ10-0AB0	V2.2	Work memory 512kb; 0.3ms/1000 instructions; Ind. Ethernet connection; MPI+ DP connection (DP master or DP slave); multi-tier configuration up to 32 modules; send and receive capability for direct data exchanges; constant bus cycle time; routing; S7 communication (loadable FBs/FCs); Firmware V2.2
PM-E DC 24V/ AC 120/230V	6ES7 138-4CA50-0AB0	-	Power module PM-E DC 24V, AC 120V, AC 230V, with diagnostics and backup
SM 322; DO 32xAC 120/230 V/1 A	6ES7 322-1FL00-0AA0	-	Digital output module DO32 AC 120/230V/1A, grouping 8
SM 321; DI 16 x DC 48-125 V	6ES7 321-1CH20-0AA0	-	Digital input module DI16 DC 48-125V, grouping 8
SM 322; DO 8 x DC 48-125 V/1,5 A	6ES7 322-1CF00-0AA0	-	Digital output module DO8 DC 48-125V/1.5A, grouping 4
SM 338 8x IQ-SENSE	6ES7 338-7XF00-0AB0	-	Module 8 IQ-SENSE for the connection of IQ-SENSE devices
SM 331 AI 8x14 Bit	6ES7 331-7HF01-0AB0	-	Analog input module AI 8x14 bits, high speed, supports isochrone mode
SM327 8DI/8DX	6ES7 327-1BH00-0AB0	-	Digital mixed modules; DI8 x DC24V; DX8 parameters can be assigned as input or output on single channels

The following modules are now supported with STEP 7 Lite V3.0 SP1:

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
CPU 317-2 PN/DP	ES7 317-2EJ10-0AB0	V2.3	Work memory 512Kbytes; 0.3ms/1000 instructions; PROFINET IO Controller; MPI+ DP connection (DP master or DP slave); multi-tier configuration up to 32 modules; send and receive capability for direct data exchange; constant bus cycle time; routing; S7 communication (loadable FBs/FCs); Firmware V2.3
8x IQ-SENSE IDENT	6ES7 338-7XF00-0AB0 IDENT	-	Module 8 IQ-SENSE for connecting IQ-SENSE devices
SM 332 AO4x16Bit	6ES7 332-7ND02-0AB0	-	Analog output module 4AO/16 bits, supports isochrone mode

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
CPU 314C-2 DP	6ES7 314-6CF02-0AB0	V2.0	Work memory 64KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); multi-tier configuration up to 31 modules; end and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.0
CPU 314C-2 PtP	6ES7 314-6BF02-0AB0	V2.0	Work memory 64KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ PtP connector (RS422/485 (ASCII, 3964(R), RK512)); multi-tier configuration up to 31 modules; firmware V2.0
CPU 314	6ES7 314-1AF11-0AB0	V2.0	Work memory 64 KB; 0.1 ms/1000 instructions; MPI connection; multi-tier configuration up to 32 modules; S7 communication (loadable FBs/FCs); firmware V2.0
CPU 315-2 PN/DP	6ES7 315-2EG10-0AB0	V2.3	Work memory 128kilobytes; 0.1ms/1000 instructions; PROFINet I/O; S7 communication (downloadable FBs/FCs); CbA; PROFINet IO; combined MPI/DP I/O (MPI or DP master or DP slave); multiline configuration up to 32 modules; send and receive capability for direct data exchange; constant bus cycle time DP bus cycle; routing; Firmware V2.3
C7 636 Touch	6ES7 636-2EB00-0AE3	V2.0	Complete device; TP 270 10" + CPU with work memory 128KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs; (2.5kHz); 4-channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (downloadable FBs/FCs); firmware V2.0
SM 331 AI8xRTD	6ES7 331-7PF01-0AB0	-	Analog input module AI8xRTD, 16Bit (24 bit internal to the sigma-delta mode); RTD: Pt100, Pt200, Pt500, Pt1000, Ni100, Ni120, Ni1000, Cu10; parameters can be changed online
SM 331 AI8xTC	6ES7 331-7PF11-0AB0	-	Analog input module AI8xTC, 16Bit (24 bit internal to the sigma-delta mode); Thermocouples: B, E, J, K, L, N, R, S, T, U, C; parameters can be changed online
SM 338 POS-INPUT	6ES7 338-4BC01-0AB0	V2.0	Position decoder module POS-INPUT, supports isochrone mode
ET 200S IM151-7 CPU	6ES7 151-7AA11-0AB0	V2.1	Work memory 64KB; 0.3ms/1000 instructions; MPI+ DP connector (stand alone or DP slave); send and receive capability for direct data exchange; firmware V2.1; expansion with a maximum of 63 modules of the ET200S range
ET 200X BM 147 / CPU	6ES7 147-1AA11-0XB0	V2.1	Work memory 64KB; 0.1ms/1000 instructions; slots: MPI/DP slave; send capability for direct data exchange; firmware V2.1

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
ET 200X BM 147 / CPU	6ES7 147-2AA01-0XB0	V2.1	Basic module BM147 with programmable preprocessing, work memory 64KB; 0.1ms/1000 instructions; slots: MPI/DP slave and DP master; send capability for direct data exchange; firmware V2.1; single-row configuration of up to 7 expansion modules of the ET200X range
ET 200X BM 147 / CPU	6ES7 147-2AB01-0XB0	V2.1	Basic module BM147 with programmable preprocessing, work memory 128KB; 0.1ms/1000 instructions; slots: MPI/DP slave and DP master; send capability for direct data exchange; firmware V2.1; single-row configuration of up to 7 expansion modules of the ET200X range
Analogmodul 4AI 2 WIRE	6ES7 134-4GD00-0AB0	V1.00	Analog input module AI 4xI, 2wire-MU(4..20mA), standard
4 DI	6ES7 131-4BD01-0AA0	-	Digital input module DI 4x24V DC, standard
4 DI HF	6ES7 131-4BD01-0AB0	-	Digital input module 4 DI 24VDC, High Feature; diagnostics, supports clocking
4 DI SRC	6ES7 131-4BD51-0AA0	-	Digital input module 4 DI DC24V, SOURCE INPUT; M-type
2 DO / 0.5A	6ES7 132-4BB01-0AA0	-	Digital output module DO 2x24 VDC/0.5 A, standard
2 DO / 0.5A HF	6ES7 132-4BB01-0AB0	-	Digital output module DO 2x24 VDC/0.5 A, High Feature, diagnostics, supports clocking
2 DO / 2A	6ES7 132-4BB31-0AA0	-	Digital output module DO 2x24 VDC/2 A, standard
2 DO / 2A HF	6ES7 132-4BB31-0AB0	-	Digital output module DO 2x24 VDC/2 A, High Feature, diagnostics, supports clocking
4 DO / 0.5A	6ES7 132-4BD01-0AA0	-	Digital output module DO 4x24 VDC/0.5A, standard, supports clocking
4 DO / 2A	6ES7 132-4BD31-0AA0	-	Digital output module DO 4x24 VDC/2A, standard
2RO NO	6ES7 132-4HB01-0AB0	-	Digital output module 2x relay 24 VUC to 230 VUC/5 A
2 AI U	6ES7 134-4FB01-0AB0	-	Analog input module AI 2xU (+/-5 V /13 bits+sign, 1 to 5 V/13 Bit, +/-10 V /13 bits+sign), standard
2 AI 2WIRE	6ES7 134-4GB01-0AB0	-	Analog input module AI 2xI, 2-wire transmitter (4mA to 20 mA) / 13 bits, standard
2 AI 4WIRE	6ES7 134-4GB11-0AB0	-	Analog input module AI 2xI, 4-wire transmitter (+/-20 mA /13 bits+sign, 4 mA to 20 mA/13 bits), standard
2 AO U	6ES7 135-4FB01-0AB0	-	Analog output module AO 2xU (1 V to 5V /13 bits, +/-10 V /13 bits+sign), standard, as of release 3
2 AO I	6ES7 135-4GB01-0AB0	-	Analog output module AO 2xI (+/-20 mA /13 bits+sign, 4 mA to 20 mA /13 bits), standard, as of release 3
2 DI DC 24V	6ES7 131-4BB01-0AA0	-	Digital input module DI 2x24V DC, standard
2 DI DC 24V High Feature	6ES7 131-4BB01-0AB0	-	Digital input module DI 2x24V DC, High Feature; diagnostics, supports clocking
PM-E DC 24V	6ES7 138-4CA01-0AA0	-	Power module PM-E for electronic modules, 24 VDC, with diagnostics

The following modules are now supported with STEP 7 Lite V3.0 SP2:

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
CPU 312 C	6ES7 312-5BE03-0AB0	V2.0	Work memory 32KB; 0.2ms/1000 instructions; DI10/DO6 integrated; 2 pulse outputs (2.5kHz); 2 channel counting and measuring with incremental encoders 24V (10kHz); MPI connector; single-tier configuration up to 8 modules; Firmware V2.0
CPU 313 C	6ES7 313-5BF03-0AB0	V2.0	Work memory 64KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI connector; multi-tier configuration up to 31 modules; Firmware V2.0
CPU 313 C-2 PtP	6ES7 313-6BF03-0AB0	V2.0	Work memory 64KB; 0.1ms/1000 instructions; DI16/DO16 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI+ PtP connector (RS422/485 (ASCII, 3964(R))); multi-tier configuration up to 31 modules; firmware V2.0
CPU 313 C-2 DP	6ES7 313-6CF03-0AB0	V2.0	Work memory 64KB; 0.1ms/1000 instructions; DI16/DO16 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI+ DP connector (DP-Master oder 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 V2.0
CPU 314 C-2 PtP	6ES7 314-6BG03-0AB0	V2.0	Work memory 96KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ PtP connector (RS422/485 (ASCII, 3964(R), RK512)); multi-tier configuration up to 31 modules; firmware V2.0
CPU 314 C-2 DP	6ES7 314-6CG03-0AB0	V2.0	Work memory 96KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); multi-tier configuration up to 31 modules; end and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.0
CPU 312	6ES7 312-1AE13-0AB0	V2.0	Work memory 32 KB; 0.2 ms/1000 instructions; MPI connection; single-tier configuration up to 8 modules; S7 communication (loadable FBs/FCs); Firmware V2.0
CPU 314	6ES7 314-1AG13-0AB0	V2.0	Work memory 96 KB; 0.1ms/1000 instructions; MPI connection; multi-tier configuration up to 32 modules; S7 Communication (loadable FBs/FCs); firmware V2.0

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
CPU 315-2PN/DP	6ES7 315-2EH13-0AB0	V2.3	256 KB work memory; 0.1 ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; PROFINET CBA; PROFINET CBA-Proxy; transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V2.3
CPU 317-2PN/DP	6ES7 317-2EK13-0AB0	V2.3	1024 KB work memory; 0.05ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V2.3
IM 151 / CPU	6ES7 151-7AA13-0AB0	V2.1	Work memory 96KB; 0.3ms/1000 instructions; MPI+ DP connector (stand alone or DP slave); send and receive capability for direct data exchange; firmware V2.1; expansion with a maximum of 63 modules of the ET200S range

The following modules are now supported with STEP 7 Lite V3.0 SP3:

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
C7 613	6ES7 613-1CA02-0AE3	V2.6	Complete device; display and operator unit 4 rows, 21 buttons + CPU 313C with 64KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI connector; single-tier configuration up to 4 modules; firmware V2.6
C7 635 Touch	6ES7 635-2EB02-0AE3	V2.6	Control system; TP 170 B + CPU with 96KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channels counting and measuring incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.6
C7 635 Key	6ES7 635-2EC02-0AE3	V2.6	Complete device; OP 170 B + CPU with 96KB work memory; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measurement with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.6

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
C7 636 Touch	6ES7 636-2EB00-0AE3	V2.6	Complete device; TP 270 10" + CPU with work memory 128KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4-channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.6
C7 636 Key	6ES7 636-2EC00-0AE3	V2.6	Complete device; OP 270 6" + CPU with work memory 128KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4-channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (DP master or DP slave); send and receive capability for direct data exchange; constant bus cycle time; routing; S7 Communication (loadable FBs/FCs); firmware V2.6
CPU 314C-2 DP	6ES7 314-6CG03-0AB0	V2.6	Work memory 96KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ DP connector (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 V2.6
CPU 314C-2 PtP	6ES7 314-6BG03-0AB0	V2.6	Work memory 96KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 4 pulse outputs (2.5kHz); 4 channel counting and measuring with incremental encoders 24V (60kHz); integrated positioning function; MPI+ PtP connector (RS422/485 (ASCII, 3964(R), RK512)); multi-tier configuration up to 31 modules; firmware V2.6
CPU 312C	6ES7 312-5BE03-0AB0	V2.6	Work memory 32KB; 0.2ms/1000 instructions; DI10/DO6 integrated; 2 pulse outputs (2.5kHz); 2 channel counting and measuring with incremental encoders 24V (10kHz); MPI connector; single-tier configuration up to 8 modules; firmware V2.6
CPU 313C	6ES7 313-5BF03-0AB0	V2.6	Work memory 64KB; 0.1ms/1000 instructions; DI24/DO16; AI5/AO2 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI connector; multi-tier configuration up to 31 modules; firmware V2.6
CPU 313C-2 DP	6ES7 313-6CF03-0AB0	V2.6	Work memory 64KB; 0.1ms/1000 instructions; DI16/DO16 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI+ DP connector (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 V2.6
CPU 313C-2 PtP	6ES7 313-6BF03-0AB0	V2.6	Work memory 64KB; 0.1ms/1000 instructions;

<u>Module</u>	<u>Order Number</u>	<u>Firmware Version</u>	<u>Short Description</u>
			DI16/DO16 integrated; 3 pulse outputs (2.5kHz); 3 channel counting and measuring with incremental encoders 24V (30kHz); MPI+ PtP connector (RS422/485 (ASCII, 3964(R))); multi-tier configuration up to 31 modules; firmware V2.6
IM 151-7 CPU	6ES7 151-7AA20-0AB0	V2.6	Work memory 96KB; 0.3ms/1000 instructions; MPI+ DP connector (stand alone or DP slave); send and receive capability for direct data exchange; firmware V2.6; expansion with a maximum of 63 modules of the ET200S range
CPU 312	6ES7 312-1AE13-0AB0	V2.6	Work memory 32 KB; 0.2 ms/1000 instructions; MPI connection; single-tier configuration up to 8 modules; S7 communication (loadable FBs/FCs); firmware V2.6
CPU 314	6ES7 314-1AG13-0AB0	V2.6	Work memory 96 KB; 0.1ms/1000 instructions; MPI connection; multi-tier configuration up to 32 modules; S7 Communication (loadable FBs/FCs); firmware V2.6
CPU 315-2 DP	6ES7 315-2AG10-0AB0	V2.6	Work memory 128KB; 0.1ms/1000 instructions; MPI+ DP connection (DP master or DP slave); multi-tier configuration up to 32 modules; Send and receive capability for direct data exchange, constant bus cycle time, routing, S7 Kommunikation (loadable FBs/FCs), firmware V2.6
ET 200S 8DI DC24V/SRC ST	6ES7 131-4BF50-0AA0		Digital input module 8DI DC24V, SOURCE INPUT; reading M, supports isochrone mode
ET200S 4DO DC24V/0.5A SINK OUT	6ES7 132-4BD50-0AA0		Digital output module DO 4xDC24V/0.5A, SINK OUTPUT; switching M, supports isochrone mode
ET200S 8DO DC24V/0.5A SINK OUT	6ES7 132-4BF50-0AA0		Digital output module DO 8xDC24V/0.5A, SINK OUTPUT; switching M, supports isochrone mode
PM-O 2x24VDC	6ES7 148-4CA60-0AA0		Power module PM-O 2x24VDC
2AI U HS	6ES7 134-4FB52-0AB0	V2.0	Analog input module AI 2xU (+/-2.5V / 14 bits+sign, 1..5V / 14 bits, +/-5V, +/-10V / 15 bits+sign), high speed, supports isochrone mode
2AI I 4WIRE HS	6ES7 134-4GB62-0AB0	V2.0	Analog input module AI 2xI, 4-wire MU (+/-20mA / 15 bits+sign, 0..20mA, 4..20mA / 15 bits), high speed, supports isochrone mode
2AO I HS	6ES7 135-4GB52-0AB0	V2.0	Analog output module AO 2xI (+/-20mA / 15 bits+sign, 4..20mA / 15 bits), high speed, supports isochrone mode
4DO DC24V/0.5A ST	6ES7 132-4BD02-0AA0	V2.0	Digital output module DO 4x24 VDC/0.5A, standard, supports isochrone mode
PS 307 10A	6ES7 307-1KA01-0AA0	V4.0	Load supply voltage 120 / 230 VAC:24 VDC / 10 A

The following modules are now supported with STEP 7 Lite V3.0 SP4:

<u>Module</u>	<u>Order Number</u>	<u>FW Version</u>	<u>Short Description</u>
---------------	---------------------	-------------------	--------------------------

<u>Module</u>	<u>Order Number</u>	<u>FW Version</u>	<u>Short Description</u>
CPU 315-2 PN/DP	6ES7 315-2EH13-0AB0	V2.5	256 KB work memory; 0.1 ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT; PROFINET interface and 1 port; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V2.5
CPU 315-2 PN/DP	6ES7 315-2EH13-0AB0	V2.6	256 KB work memory; 0.1 ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT; PROFINET interface and 1 port; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V2.6
CPU 317-2 PN/DP	6ES7 317-2EK13-0AB0	V2.5	1024 KB work memory; 0.05ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT; PROFINET interface and 1 port; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V2.5
CPU 317-2 PN/DP	6ES7 317-2EK13-0AB0	V2.6	1024 KB work memory; 0.05ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT; PROFINET interface and 1 port; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V2.6
ET 200S 2RO NO/NC 24..230V/5A	6ES7 132-4HB50-0AB0		Digital output module 2xrelay Form C UC 24..230V/5A with manual operation
ET 200S 2 AI TC ST	6ES7 134-4JB01-0AB0		Analog input module AI 2xTC / 15 bits+sign, standard, thermocouples: E, N, J, K, L, S, R, B, T
ET 200S 2/4 AI RTD ST; 2ch	6ES7 134-4JB51-0AB0		Analog input module 2/4xAI RTD 2ch / 15 bits+sign, standard, R: 150 ohms, 300 ohms, 600 ohms, PTC; RTD: Pt100, Ni100
ET 200S 2/4 AI RTD ST; 4ch	6ES7 134-4JB51-0AB0		Analog input module 2/4xAI RTD 4ch / 15 bits+sign, standard, R: 150 ohms, 300 ohms, 600 ohms, PTC; RTD: Pt100, Ni100
CPU 319-3 PN/DP	6ES7 318-3EL00-0AB0	V2.8	Work memory 1400KB; 0.01ms/1000 instructions; PROFINET connection; S7 communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT/IRT; PROFINET interface and 1 port; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multiline structure up to 32 modules; constant DP bus cycle time; routing; data record routing; firmware V2.8
CPU 312	6ES7 312-1AE14-0AB0	V3.0	Work memory 32 KB; 0.1 ms/1000 instructions; MPI connection; single-tier configuration up to 8

<u>Module</u>	<u>Order Number</u>	<u>FW Version</u>	<u>Short Description</u>
			modules; S7 communication (loadable FBs/FCs); firmware V3.0
CPU 314	6ES7 314-1AG14-0AB0	V3.0	Work memory 128 KB; 0.06ms/1000 instructions; MPI connection; multi-tier configuration up to 32 modules; S7 Communication (loadable FBs/FCs); firmware V3.0
CPU315-2 DP	6ES7 315-2AH14-0AB0	V3.0	Work memory 256KB; 0.05ms/1000 instructions; MPI+ DP connection (DP master or DP slave); multi-tier configuration up to 32 modules; Send and receive capability for direct data exchange, constant bus cycle time, routing, S7 Kommunikation (loadable FBs/FCs), firmware V3.0
CPU 315-2 PN/DP	6ES7 315-2EH14-0AB0	V3.1	384 KB work memory; 0.05ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT/IRT; PROFINET interface and 2 ports; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V3.1
CPU 317-2 PN/DP	6ES7 317-2EK14-0AB0	V3.1	1024 KB work memory; 0.025ms/1000 instructions; PROFINET connection; S7 Communication (loadable FBs/FCs); PROFINET IO-Controller; supports RT/IRT; PROFINET interface and 2 ports; PROFINET CBA; PROFINET CBA-Proxy; TCP/IP transport protocol; combined MPI/DP connection (MPI or DP master or DP slave); multi-tier configuration up to 32 modules; constant DP bus cycle time; routing; firmware V3.1