

SIEMENS

SIMATIC S7-1200 CPU firmware update V4.3 Product Information

The S7-1200 CPU firmware V4.3 is now available.

Key features supported by S7-1200 CPU firmware V4.3:

- Web server update: continued harmonization of standard Web pages between S7-1200 and S7-1500
- Secure Open User Communication (OUC)
You can now use T-Block instructions to communicate over an encrypted TCP connection via IPV4. You can establish the encrypted connection using the TCON SFB or TSEND_C/TRCV_C FB (which contain the TCON SFB). The addition of the new system data type (SDT), TCON_IP_V4_SEC, supports the secure OUC functionality. This SDT takes the existing TCON_IP_V4 SDT and adds five additional parameters to facilitate the creation of an encrypted IPV4 connection.

The S7-1200 CPU requires that you install the following hardware support package (HSP) with STEP 7 V15.1 Basic or Professional.

- HSP_V15_1_0276_001_S71200_CPU_4.3

For more information about these key features, see the S7-1200 System Manual, edition 02/2019.

Table 1 CPU models affected by firmware update V4.3

CPU model	Description	Article number
CPU 1211C	CPU 1211C DC/DC/DC	6ES7211-1AE40-0XB0
	CPU 1211C AC/DC/Relay	6ES7211-1BE40-0XB0
	CPU 1211C DC/DC/Relay	6ES7211-1HE40-0XB0
CPU 1212C	CPU 1214C DC/DC/DC	6ES7212-1AE40-0XB0
	CPU 1212C AC/DC/Relay	6ES7212-1BE40-0XB0
	CPU 1212C DC/DC/Relay	6ES7212-1HE40-0XB0
CPU 1214C	CPU 1214C DC/DC/DC	6ES7214-1AG40-0XB0
	CPU 1214C AC/DC/Relay	6ES7214-1BG40-0XB0
	CPU 1214C DC/DC/Relay	6ES7214-1HG40-0XB0
CPU 1215C	CPU 1215C DC/DC/DC	6ES7215-1AG40-0XB0
	CPU 1215C AC/DC/Relay	6ES7215-1BG40-0XB0
	CPU 1215C DC/DC/Relay	6ES7215-1HG40-0XB0
CPU 1217C	CPU 1217C DC/DC/DC	6ES7217-1AG40-0XB0
Fail-Safe CPUs		
CPU 1212FC	CPU 1212FC DC/DC/DC	6ES7212-1AF40-0XB0
	CPU 1212FC DC/DC/Relay	6ES7212-1HF40-0XB0
CPU 1214FC	CPU 1214FC DC/DC/DC	6ES7214-1AF40-0XB0
	CPU 1214FC DC/DC/Relay	6ES7214-1HF40-0XB0
CPU 1215FC	CPU 1215FC DC/DC/DC	6ES7215-1AF40-0XB0
	CPU 1215FC DC/DC/Relay	6ES7215-1HF40-0XB0

Required user action

You can install the CPU firmware update from the Web server, the online diagnostic functions of STEP 7, or by making a SIMATIC S7 Memory Card using the Siemens customer support Web site that contains the firmware update. The S7-1200 System Manual documents these methods.

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