

SIEMENS

SIMATIC

S7-200 SMART

S7-200 SMART CPU firmware update V2.5.1

Product Information

Description

The S7-200 SMART CPU firmware update V2.5.1 supports the I-Device function for PROFINET communication on the eight CPU models in the following table.

The S7-200 SMART as a PROFINET I-Device has the following features:

- The maximum number of supported transfer areas is 8.
- The maximum size of total inputs is 128 bytes.
- The maximum size of total outputs is 128 bytes.

Refer to the SIMATIC S7-200 SMART System Manual for more information about the S7-200 SMART product family.

Table 1 CPU models affected by firmware update V2.5.1

| CPU model | Article number |
|-----------------------|--------------------|
| CPU SR20, AC/DC/Relay | 6ES7288-1SR20-0AA0 |
| CPU ST20, DC/DC/DC | 6ES7288-1ST20-0AA0 |
| CPU SR30, AC/DC/Relay | 6ES7288-1SR30-0AA0 |
| CPU ST30, DC/DC/DC | 6ES7288-1ST30-0AA0 |
| CPU SR40, AC/DC/Relay | 6ES7288-1SR40-0AA0 |
| CPU ST40, DC/DC/DC | 6ES7288-1ST40-0AA0 |
| CPU SR60, AC/DC/Relay | 6ES7288-1SR60-0AA0 |
| CPU ST60, DC/DC/DC | 6ES7288-1ST60-0AA0 |

Note

If you cannot apply the firmware update or if your CPU does not boot successfully after applying the firmware update, return the CPU to Siemens for a replacement.

Note

The CPU models of the following FS number or later do not support being downgraded to the firmware V2.4.0 or earlier versions:

| CPU model | Article number | FS number |
|-----------------------|--------------------|-----------|
| CPU SR20, AC/DC/Relay | 6ES7288-1SR20-0AA0 | 10 |
| CPU ST20, DC/DC/DC | 6ES7288-1ST20-0AA0 | 09 |
| CPU SR30, AC/DC/Relay | 6ES7288-1SR30-0AA0 | 09 |
| CPU ST30, DC/DC/DC | 6ES7288-1ST30-0AA0 | 09 |
| CPU SR40, AC/DC/Relay | 6ES7288-1SR40-0AA0 | 09 |
| CPU ST40, DC/DC/DC | 6ES7288-1ST40-0AA0 | 08 |
| CPU SR60, AC/DC/Relay | 6ES7288-1SR60-0AA0 | 11 |
| CPU ST60, DC/DC/DC | 6ES7288-1ST60-0AA0 | 08 |

Required user action

You can install the CPU firmware update by making a microSDHC firmware update memory card using the Siemens customer support Web site that contains the firmware update. The S7-200 SMART System Manual documents this method.

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