

How to prepare CX9020 SD-Card

In principle, formatting is not necessary; simply delete the contents using Windows Explorer.

Formatting is not needed but, if necessary, proceed as follows:

format x: /fs:FAT32

replace "x:" with the drive letter of the SD card on your PC.

Cards coming from Beckhoff contain the general Windows CE image from Beckhoff without any SPGPrints required system settings.

However, our machines need a prepared image with TwinCAT runtime settings, users, passwords, IP addresses, Firewall, FTP, etc. already preconfigured.

Simply delete everything on the SD card using Windows Explorer and then copy the contents of the folder "CX9020 SD-Card Base-Image x.xx ..." to the SD card drive.

Please use the latest version of the image appropriate for release level of bestIMAGE.

Up to bestIMAGE 5.80.08: [CX9020 SD-Card Base-Image 1.00 \(OS +TwinCAT 3.1.4022.29 + TCPIP + Applikation\)](#) is required.

From bestIMAGE 5.80.09: [CX9020 SD-Card Base-Image 1.01 \(OS +TwinCAT 3.1.4024.7 + TCPIP\)](#) was used but actual image 1.02 mentioned below is preferred.

From bestIMAGE 5.90.09: [CX9020 SD-Card Base-Image 1.02 \(OS+TwinCAT 3.1.4024.65 + TCPIP + SHA256-WebCert + FTP\)](#) is to be used.

The root directory should then contain 4 files and 8 folders (with many subfolders).

On of the files in root folder is [SPGPrintsInfo.txt](#) which helps to identify the content.

If copying was interrupted or other strange effects occur, check the SD card with Check Disk!

WARNING: Before removing the SD card, right-click the drive in Explorer and select the "Eject" menu item. This ensures that everything has been properly written to the SD card.

