





- Flashing a Micro-SD card mainly consists of four steps
 - 1. Download a predefined Raspberry Pi image
 - 2. Request the file's password → services.didactic@festo.com
 - 3. Unzip the compressed file
 - 4. Flash the image to a Micro-SD card
- Required hardware
 - Windows PC
 - 32 GB Micro-SD card
 - Micro-SD card adapter (e.g., "Micro-SD to USB")
 - 25 GB free hard disk space
- Required software tools
 - 7-Zip \rightarrow https://www.7-zip.org
 - Win32DiskImager → https://sourceforge.net/projects/win32diskimager/

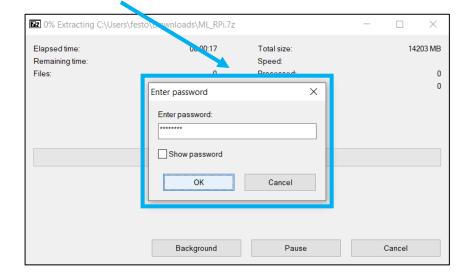


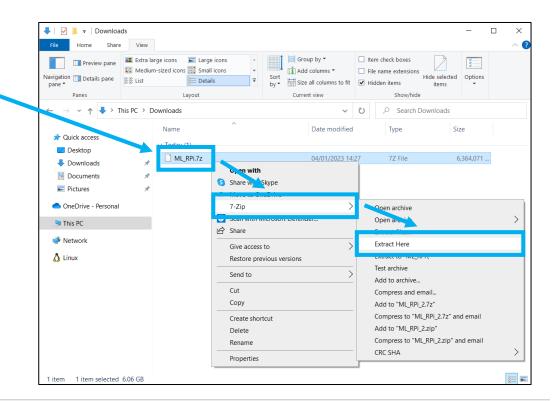
- 1. Download the provided image
 - The image itself is available as a compressed, password-protected
 7-Zip file at https://ftp.festo.com/public/DIDACTIC/ML/
 - It is based on the "Raspbian Bullseye 64-Bit" operating system and contains
 - Python core & libraries
 - Apache2 server
 - Node-RED
 - Several machine learning algorithms
 - ..





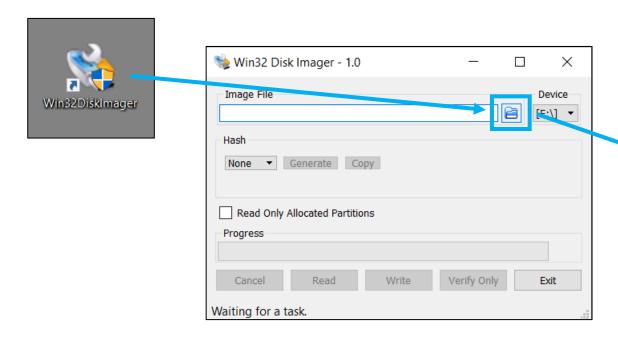
- 2. Request the password for the 7-Zip file by sending an email to services.didactic@festo.com
- 3. Decompress the image
 - Select "ML_RPi.7z" and press the right mouse button
 - Navigate to "7-Zip" and select "Extract Here"
 - Enter the password and confirm with "OK"

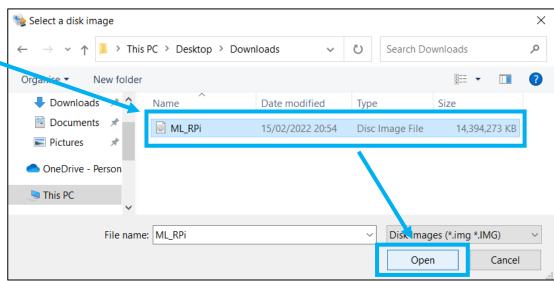






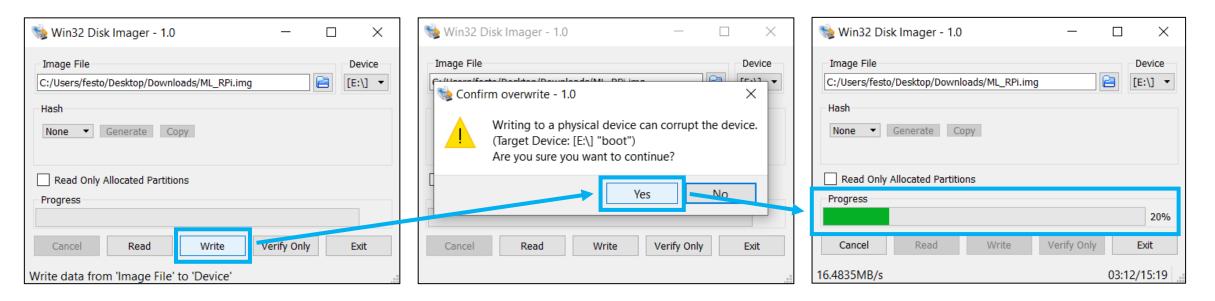
- 4. Connect the Micro-SD card to the PC if necessary, using a suitable adapter in order to flash it
 - Open "Win32DiskImager" and select the image file "ML_RPi.img" that has been generated in the step before







- 4. Connect the Micro-SD card to the PC if necessary, using a suitable adapter in order to flash it
 - Press "Write", confirm overwriting, and wait until the Micro-SD card has been written successfully



Note that it takes about 15 minutes to complete the process!