PowerShield8 MX Controller

USB Service Port Driver Installation (Windows 10 & 11)

A. Introduction

The USB Service Port of a MX Controller emulates an Ethernet device and requires an RNDIS driver on Windows PCs.

The RNDIS driver is a part of the Windows operating system, but the OS may fail to assign this driver to the MX Controller USB Service Port automatically on Windows PCs.

When the MX Controller USB Service Port is connected to the PC, the device may be detected as a USB Serial Device, meaning a successful USB-Ethernet connection cannot be made. Perform the steps as outlined below to install the required driver.

Note: This procedure may need to be repeated if the MX Controller USB Service Port is connected to a different USB port on the same PC at a later date.

B. Driver Installation

1. Ensure that MX Controller USB Service Port is disconnected from the PC.

2. Download RNDIS Driver package from the PowerShield website at
   https://www.powershield.com/resources/technical-resources

3. Extract the .zip file in the local directory. The package should contain the following files:

Name		Date modified	Type	Size	
rndis.cat		16/05/2024 1:02 pm	Security Catalog	7 KB	
RNDIS.inf		16/05/2024 1:02 pm	Setup Information	4 KB	

4. Right click on RNDIS.inf and select Install.

5. Click Open when prompted.

6. Select 'Yes' if asked on INF Default Install window.

7. Connect MX Controller USB Service Port to the PC USB Port.

8. The driver should now get installed and the **USB RNDIS Device (USB Network enabled)** should now be listed under **Network adapters** in **Device Manager**:

You should now be able to make a successful connection to the MX Controller or find it using the Controller Discovery Tool