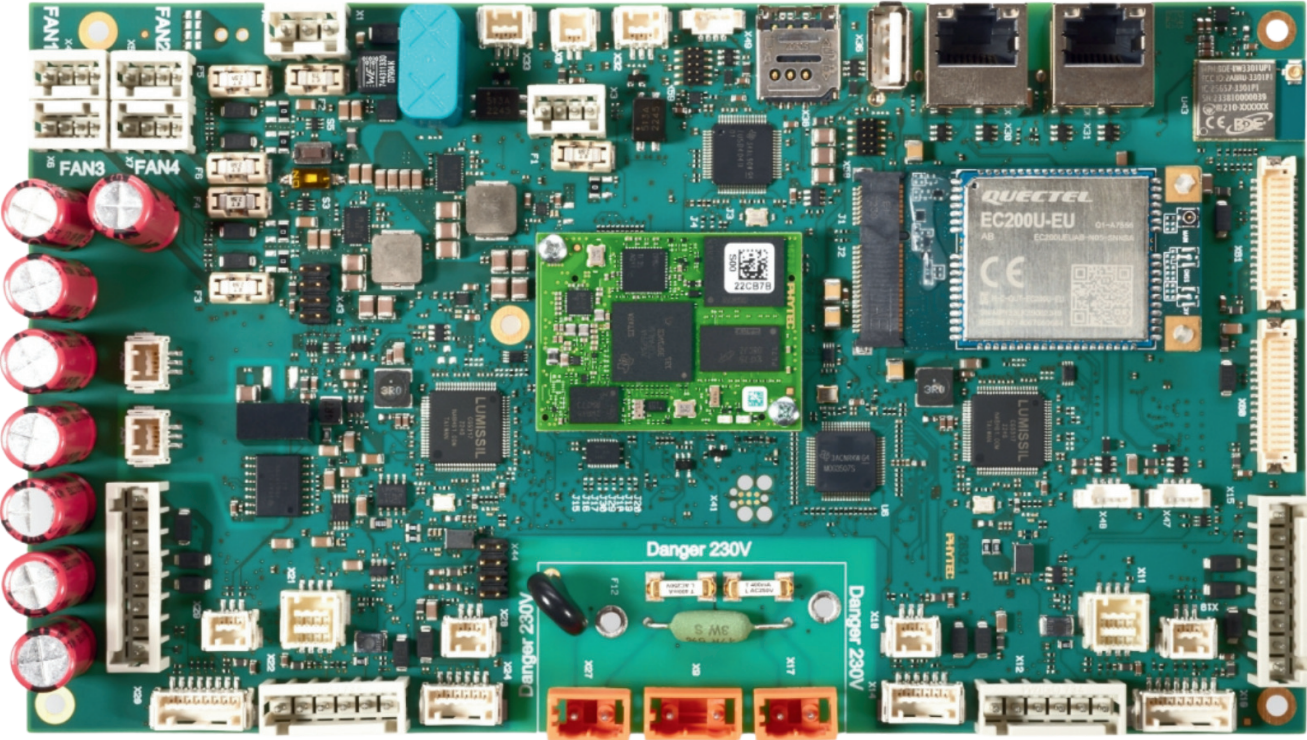


phyVERSO-EVCS

QUICK-START-GUIDE



1. Safety and Usage Instructions



- Use only the supplied cable with the laboratory power supply.
- Set the laboratory power supply to 12 V DC to ensure proper operation.

2. General Information



- The Quickstart Guide has been tested under Windows 10 and Ubuntu 20.04.
- For questions, contact fae@phytec.de.

3. Kit Content

- phyVERSO-EVCS Baseboard
- TH-210 Serial adapter incl. ribbon cable
- Power cable
- Ethernet cable (RJ-45)
- MicroUSB-USB A cable
- Quickstart Guide
- Mating connector

4. Putty Installation

Windows:

- Visit putty.org
- Download the installation package.
- Install Putty on your computer.

Linux:

- Open a terminal.
- Run the following command:
 - `sudo apt update && sudo apt install putty -y`

5. Establish a Serial Connection

1. Connect the phyVERSO to the laboratory power supply using the power cable.
2. Connect the serial adapter to the phyVERSO (exactly as shown in Figure 1).
3. Connect the serial adapter to the PC via USB.

Windows:

1. Connect the serial adapter to the phyVERSO.
2. Open the Device Manager
3. Make a note of the connection name (e.g. COM6).
4. Open Putty and select "**Serial**" as the connection type.
5. Enter the connection name (e.g. COM6).
6. Set the speed rate to 115200.
7. Click "**Open**" to establish the connection.

Linux:

1. Connect the serial adapter to the phyVERSO and the computer.
2. Open a terminal and run the following command:
 - `ls /dev/ttyUSB*`
3. Select the highest number (e.g., `ttyUSB3`) and enter it in Putty.
4. Set the baud rate to 115200 and click "Open" to establish the connection.

6. Establish an SSH Connection

Assigning a Fixed IP Address

Windows:

1. Open the Network Manager.
2. Navigate to Change Adapter Settings.
3. Select your network connection and click on **"Properties"**.
4. Select Internet Protocol, Version 4 (TCP/IPv4), and click on **"Properties"**.
5. Set the IP address to a fixed value, e.g:
 - IP address: 192.168.3.10
 - Subnet mask: 255.255.255.0

Linux:

1. Open the LAN settings.
2. Create a new profile and assign a fixed IP address:
 - IP address: 192.168.3.10
 - Subnet mask: 255.255.255.0

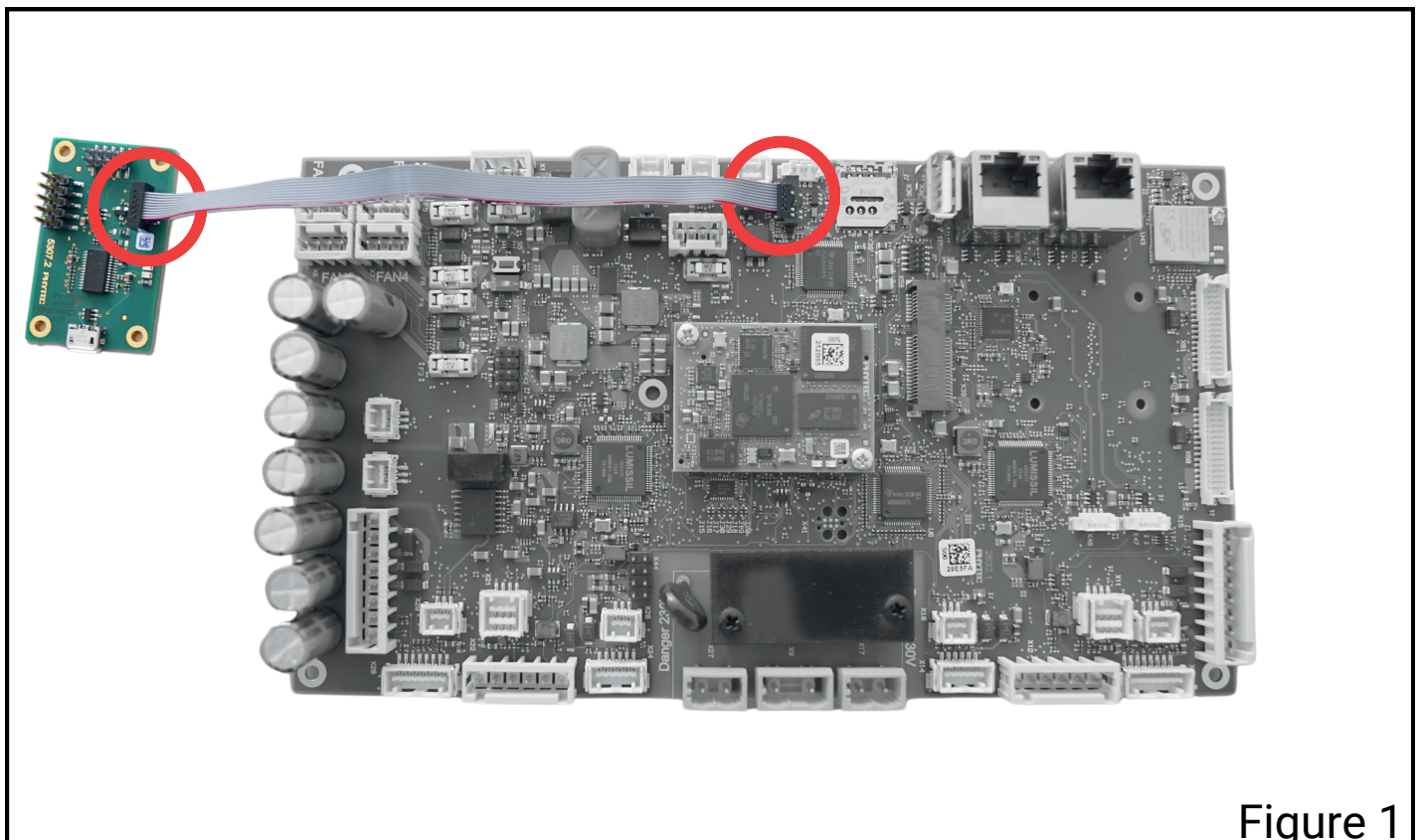


Figure 1

Establish a Connection (Windows & Linux):

1. Connect the phyVERSO to the computer using a network cable.
2. Open Putty and select SSH.
3. Enter: root@192.168.3.11.
4. Click "**Open**".

7.View and Manage Basecamp Logs

Query Status:

- Establish connection (serial or SSH).
- Execute the following command:
 - *systemctl status basecamp*

Restart Service:

- Stop the Basecamp Service
 - *systemctl stop basecamp*
- Start the Basecamp Service
 - *systemctl start basecamp*

Monitor Logs:

- Use the command:
 - *journalctl -u basecamp -f*