JOYNED
AUDIO.
NETWORK.
TECHNOLOGY.

AS1-EVK using the USB UART Console

JOYNED GmbH ©2026
Nockhofweg 26c
6162 Mutters - Austria

www.joyned.at

Reg. Number: 575238p
Reg. Court: Landesgericht Innsbruck
Managing Director: Fabian Braun

Table of Contents

Introduction

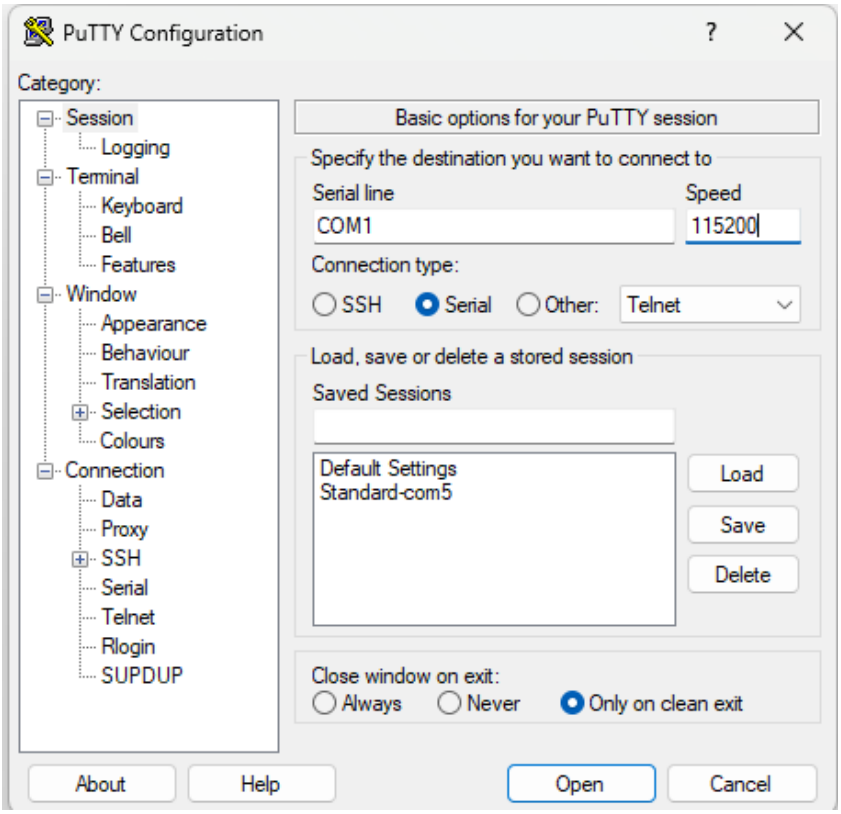
The software provides access to an advanced CLI interface through the USB UART Console interface.

The interface is using 115.200kbaud No parity 8 bit. It can be accessed through any serial terminal emulation software.

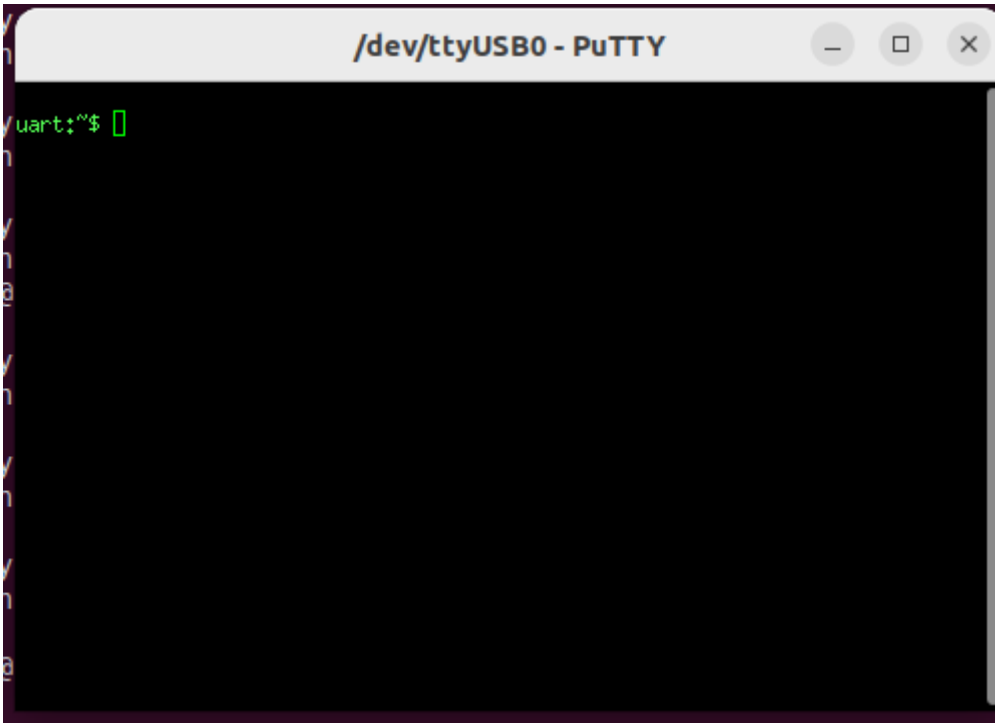
The purpose of the interface is to demonstrate the capabilities of the AS1 stack. It is not intended for end-users of the switch. End-users will typically use the web based interface. AS1-EVK Using the Web interface

Example setup using PuTTY on Windows

Select the specific COM port. One way to find the port is to open Device Manager, look at “Ports (COM & LPT) and the identify the correct port. Removing and attachint the USB connector will indicate which one comes and goes. It will be named USB Serial Port (COM<n>). It is the COM<n> that should be used in PuTTY as in this example below where it is COM1.



Click open and the console should appear.



The command line is a standard Zephyr shell command. Use '**help**' to list available commands. All AS1 Software CLI commands are prefixed with '**avb**'.

The interface provides commands for:

- Logging
- Status monitoring
- Parameter inspection/modification

> ⚠️ *Note: Changes via CLI are **not persistent** – a reboot resets to compile-time defaults.*

Detailed documentation can be found here: CLI Interface commands[1]

Commonly used commands:

- **avb gptp stats** Show the status of the gPTP stack on all ports.
- **avb mrp map smap** Show all the streams currently registered on the switch

1. https://drive.google.com/file/d/1Wj59NhZkx4hG0uAwPZgH3os4_afolW57/view?usp=drive_link