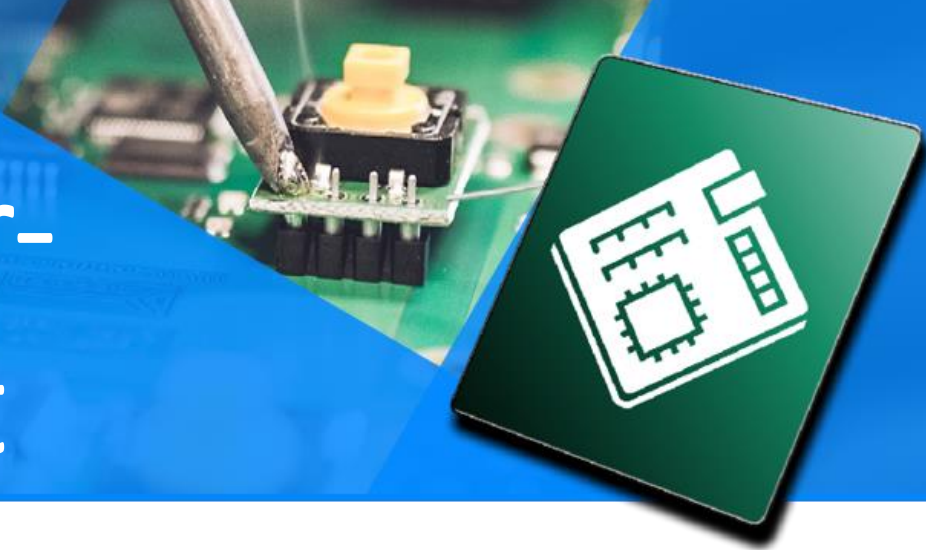# emPower-USB-Host

Overview

emPower-USB-Host is a cost-effective board with two USB-Host ports in a simple and small design. SEGGER's emUsb-Host, emLoad, and embOS software can be easily downloaded and run on the board . Accessing the board with a debug probe is simple using the J-Link OB on the board.

Updating the firmware of emPower USB-Host with another sample or self-written software can easily be performed by storing the binary on a USB memory stick. This USB stick then is plugged in and the board is reset to run the update of the firmware.

A collection of samples for the emPower USB-Host board is readily available for download at the emUSB-Host samples page. The samples run on the board without modification.
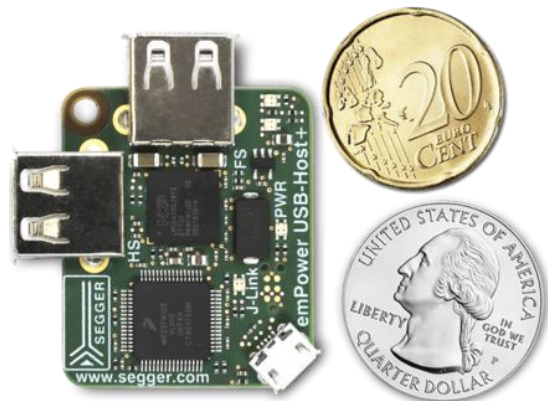
The hardware can be used as a blueprint for own devices using two USB-Host ports, the schematics of the board are available for that purpose.

Key features

- 80 MHz ARM Cortex-M4 based core
- Floating Point Unit (FPU) and Memory Protection Unit (MPU).
- 512 KB on-chip flash program memory
- 160 KB contiguous main SRAM
- USB 2.0 high-speed host/device controller with on-chip high-speed PHY.
- USB 2.0 full-speed host/device controller with on-chip PHY and dedicated DMA

Package content

- emPower-USB-Host board

Order number

6.90.00