

## AT32F4xx Composite VirtualComport Printer

## Introduction

This sample code introduces the demo of usb composite virtual comport printer, which can be applied to other series in a similar way.

*Note: This document is written based on V2.X.X version of BSP software developed by ARTERY. For other versions, users need to pay attention to their differences in use.*

Applicable products:

Part number	AT32F403 series
	AT32F413 series
	AT32F403A series
	AT32F407 series

List of peripherals:

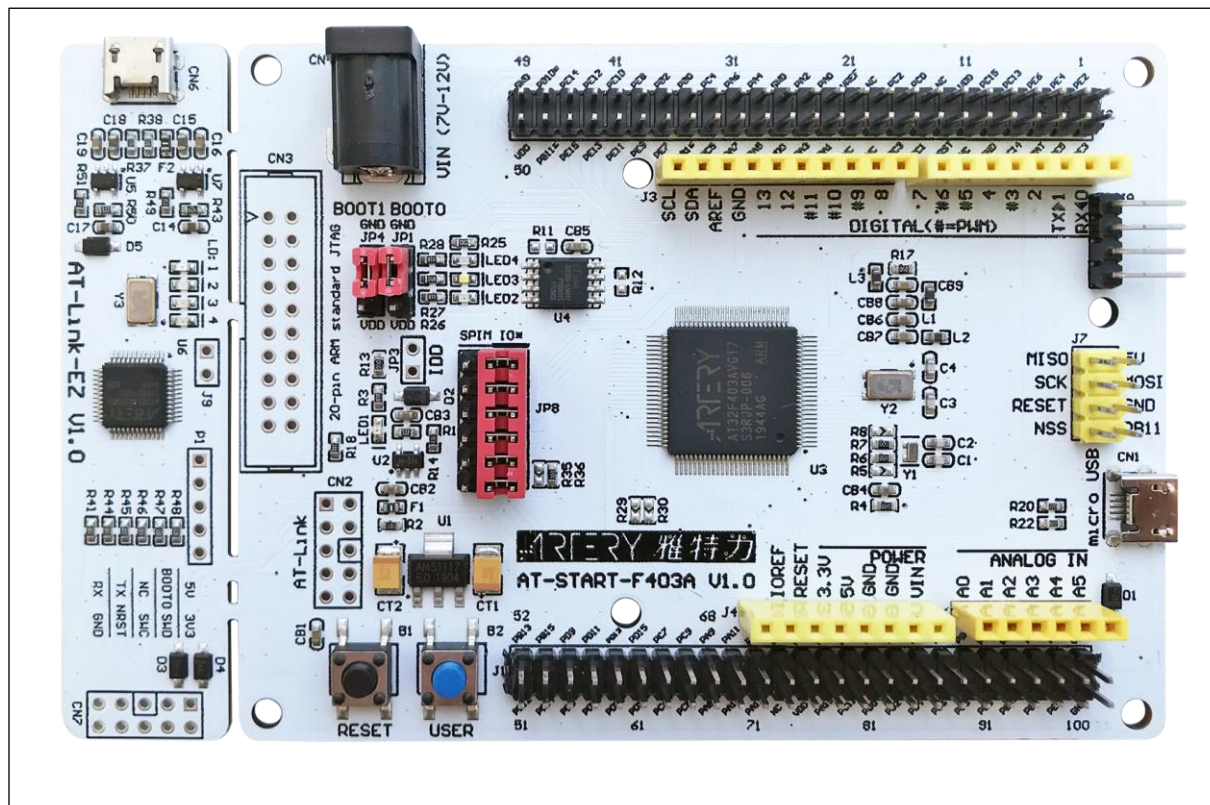
Main peripheral	USB
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## 1 Quick start

### 1.1 Hardware requirements

- 1) AT-START-F403A V1.0 evaluation board (select the desired evaluation board corresponding to a specific MCU series)

Figure 1. AT-START-F403A V1.0 evaluation board



### 1.2 Software requirements

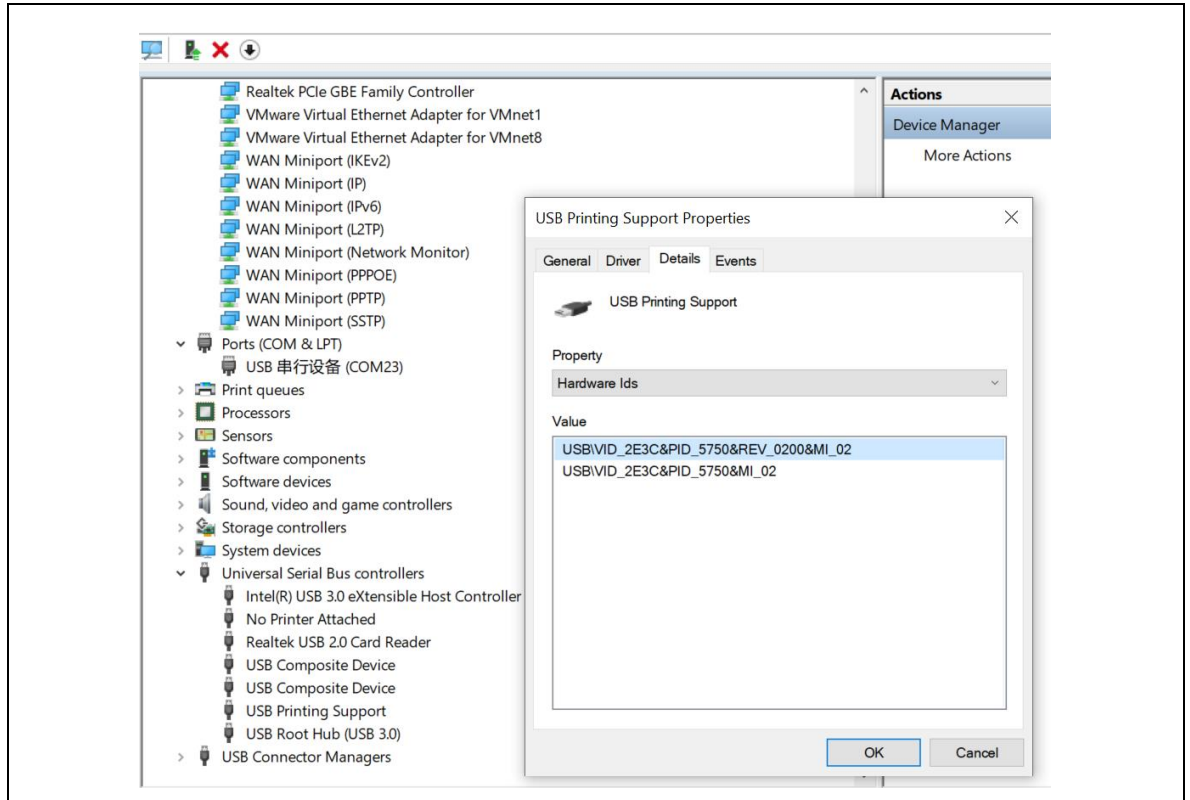
- 1) SourceCode
  - composite\_vcp\_printer source code

*Note:* All projects are built around keil 5. If users want to use them in other compiling environments, please refer to BSP\_V2.x.x\project\xxx\templates (such as IAR6/7/8, keil 4/5) for a simple change.

### 1.3 Example case

- 1) Open the composite\_vcp\_printer project, and download to the evaluation board. Connect the evaluation board USB interface to PC, and the PC device manager will display a composite vcp and printer, as shown in Figure 2.

Figure 2. Enumeration of device on PC



## 2 Revision history

Table 1. Document revision history

Date	Version	Revision note
2022.04.07	2.0.0	Initial release.

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