

INDUSTRIAL PRODUCT DATASHEET

UTC-T01 Industrial USB-to-CAN Adapter (PCAN/CANable Compatible)

A versatile industrial USB-to-CAN adapter offering PCAN compatibility, transparent serial mode, and broad OS support for professional CAN bus applications.

SKU	UPDATED	PRICE
100030768	2026-06-18 10:28:33	\$15.00(Excl. VAT)



Overview



The UTC-T01 Industrial USB-to-CAN Adapter features an STM32 microcontroller for stable CAN 2.0A communication from 5kbps to 1Mbps, with dual PCAN and Transparent modes. It supports Windows, Linux, and Android, and is ideal for embedded development, FPGA integration, CAN bus analysis, and custom secondary development.

Key Features

- **EN: Industrial Core, Reliable Performance**

Built with an imported STM32 microcontroller, the UTC-T01 ensures stable communication across a wide baud rate range of 5kbps to 1Mbps. It fully supports the standard CAN 2.0A protocol, designed to withstand rigorous development environments.

- **EN: Dual Modes, Infinite Flexibility**

PCAN Mode (Default): Functions as a standard PCAN-USB device, natively compatible with professional tools like PCAN-View, PCAN-Explorer, and TS-Master. It also supports flashing open-source firmware like SLCAN and candlelight.

Transparent Mode: Designed for easy integration. It maps as a driver-free virtual serial port, allowing you to interact with the CAN bus using standard serial commands, perfect for secondary development.

- **EN: Universal Compatibility**

Break free from OS limitations. The device supports Windows (XP/7/8/10/11), Linux (Ubuntu, Raspberry Pi OS), and Android. Whether you are on a desktop workstation or an edge device like the Jetson Nano, your workflow remains uninterrupted.

- **EN: Hardware Control at Your Fingertips**

A physical DIP switch allows for instant configuration without jumpers. Easily toggle the 120Ω terminal resistor, switch between 0R, or enter BOOT mode for firmware upgrades. Three distinct LEDs (PWR, TXD, RXD) provide real-time visual feedback on bus activity.

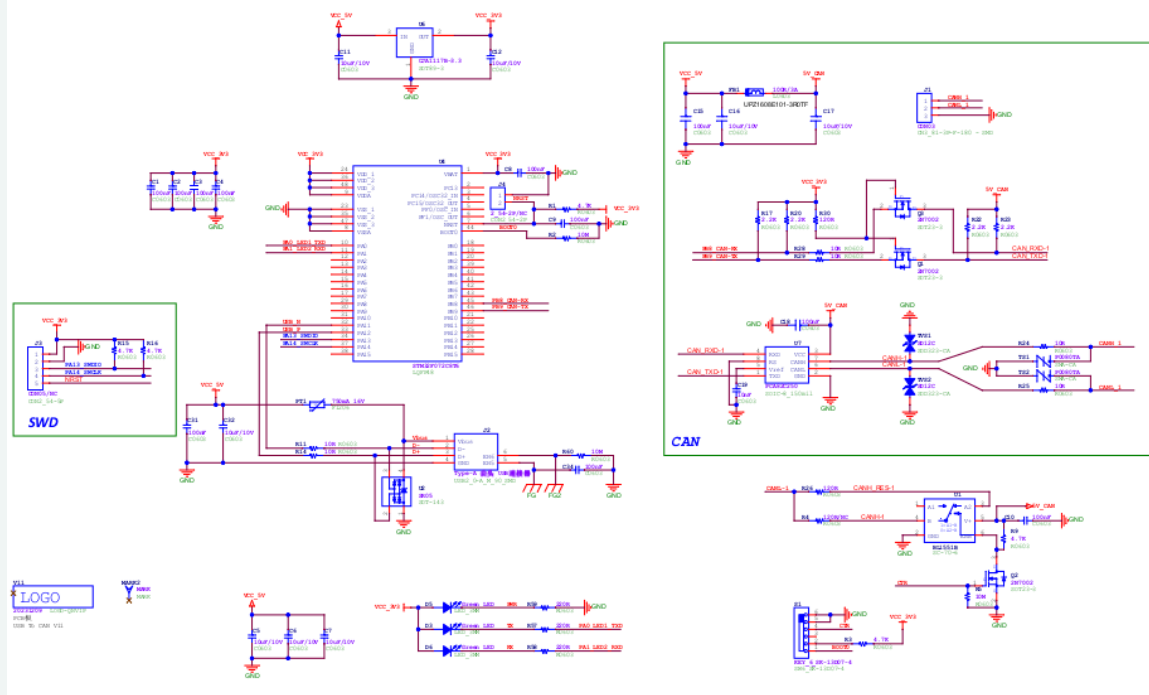
- **EN: Open for Developers**

The UTC-T01 supports firmware online upgrades and provides source code and tools for secondary development. Advanced features include multi-frame sending, cyclic sending, and ID filtering to streamline your debugging process.

Product Gallery



Hardware Overview



Applications

- **Embedded Development:** Debugging STM32, 51 MCU, and ARM platforms.
- **FPGA Integration:** Data verification and expansion modules for FPGA boards.
- **System Analysis:** Real-time monitoring, data acquisition, and analysis of CAN bus networks.
- **Secondary Development:** Creating custom host software using the transparent transmission mode to enable specific logic control.

Compliance & Logistics

HSCODE	8471800000
USHSCODE	8471801000
UPC	
EUHSCODE	8471707000
COO	CHINA

Resource Links

- <https://www.seeedstudio.com/CANABLE-p-6709.html>

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