

TL1021

UART On LIN device



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Classic Application:

- Meet specific industry standards

Feature Overview

The TL1021 is a UART On LIN device designed to provide a "transparent data transmission" mechanism. This means that the data format and content at the sending and receiving ends remain consistent, with only the transmission medium switching from UART to the LIN bus physical layer.

Characteristics

- Input Interface: Standard UART, used for data input and output
- Output Interface: Standard LIN bus interface, used for transmitting LIN signals
- Data Processing: Convert the received UART data into LIN physical layer signals and transmit them via the LIN bus



Specification

Interface	1 x UART (USB2.0), 1 x LIN
Driver	Driver-free design for Windows and Linux systems, ensuring system compatibility
LIN	UART Baud Rate
UART Baud Rate	Maximum 20 Kbps
Forwarding Delay	< 2.1 μ s
Power Supply	USB
Power Consumption	1 W
Casing Material	Plastic
Dimension	Approx. 94 x 48 x 24 mm
Weight	Approx. 77 g (without packaging)/Approx. 122g (with packaging)
Operating Temperature	-40°C ~ 80°C
Operating Humidity	10% ~ 90% (non-condensing)
Operating Environment	keep away from corrosive gases

Ordering Information

Product Name	Model Number	Function Description
Network Device	TL1021	UART On LIN device

Shipping list

- TL1021 device

Pin Definitions

