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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

## 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 $\mu$ 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

