



# CAN-LIN Converter

oSignal

CAN-LIN Converter is composed of dual CAN and single LIN communication buses. It can be programmed via its GUI application and can be used as a gateway between the CAN buses. While operating as a gateway, the GUI application can be configured to send the rules, messages and their periods and manage the LIN network through the LIN communication bus. The management settings of the LIN communication bus can be configured using the GUI application. The protocol's standard file that contains settings and rules for the LIN bus, called LDF (LIN Description File), can be read, and the relevant rules defined in the LDF can be conveniently configured and saved to the flash memory.

24 V  
Nominal Voltage



2xCAN  
Interface



1xLIN Interface



-40 °C ~ +85 °C  
Operating Temperature



## Supply Characteristics

Input Voltage Range	9-32 V
Overvoltage	32 V

## CAN Characteristics

Communication Speed/Rate	50 - 1000 kBit/s
Internal Termination Resistor (120Ω)	Optional

## CAN Gateway Operations

Routing	CAN1 to CAN2 / CAN2 to CAN1
Filtering	Filtering and Isolation between CAN Buses: Pass/Stop/Hybrid
Data Manipulation	Interfering with data exchange of pre-specific CAN IDs.
Periodic Frame	Supports to periodic frames on CAN1/2

## LIN Characteristics

Communication Speed/Rate	9600 - 19200 Bit/s
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## LIN Operations

Scheduler Table	Supports from LDF
CAN to LIN	Command frame from CAN1/2 to LIN Bus
LIN to CAN	Request frame from LIN Bus to CAN1/2

## Environmental Conditions

Operating Temperature	-40 °C ~ +85 °C
Protection Class	IP 30