



# Highly Integrated Quad LIN Commander Transceiver with 1.8 V VIO

## TJA1425

**Active**

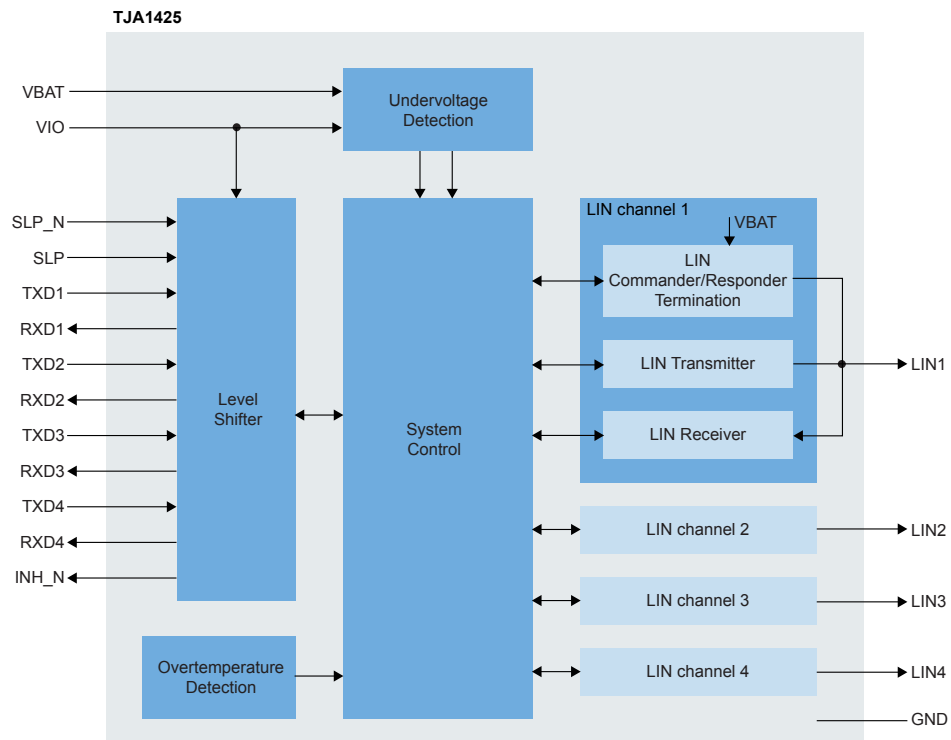
Last Updated: Jan 16, 2026

The TJA1425 is a quad local interconnect network (LIN) channel device. It provides the interface between a LIN commander protocol controller and the physical bus in a LIN network. Each of the four channels contains a LIN transceiver and LIN commander termination. It is primarily intended for in-vehicle sub-networks using baud rates up to 20 kBd and is compliant with LIN 2.x, SAE J2602 and ISO 17987-4:2016 (12 V). The TJA1425 is pin-to-pin compatible with the TJA1124.

Not only supporting all functions of TJA1124, TJA1425 also has optimized EMC and ESD performance according to the latest IEC and SAE standards, 1.8 V IO to support high-end MCU, MCU time-out fail-safe feature to minimize the power consumption.

Power consumption is very low in low power mode. However, the TJA1425 can still be woken up via pins SLP or SLP\_N and LIN1 to LIN4.

## TJA1425 Block Diagram



View additional information for [Highly Integrated Quad LIN Commander Transceiver with 1.8 V VIO](#).

**Note:** The information on this document is subject to change without notice.

**[www.nxp.com](http://www.nxp.com)**

NXP and the NXP logo are trademarks of NXP B.V. All other product or service names are the property of their respective owners. The related technology may be protected by any or all of patents, copyrights, designs and trade secrets. All rights reserved. © 2026 NXP B.V.