



# Let your automotive electronics do the talking

NXP Semiconductors automotive networking portfolio



Automotive manufacturers are producing safer, more comfortable and secure vehicles. A key enabling factor is the increasing use of interconnected automotive electronic systems. Today's car models can integrate anywhere from 15 (average) up to 200 and more networked components. That means you need transceiver solutions covering all key automotive network standards to ensure your automotive electronics communicate efficiently and intelligently.

## A smart choice for automotive networking



**Each day NXP ships more than 1 million IVN transceivers to customers worldwide**

Acknowledged as the industry's leading innovator and a proven volume supplier, NXP Semiconductors delivers these solutions. In this continuously growing market, we are totally committed to addressing key market trends and ensuring product availability, even in tight supply situations. We focus on your needs – pushing down overall network costs while driving up system performance, communication speeds, quality and reliability.

### A portfolio that offers a difference in class

Different in-vehicle network standards are competing for dominance in different areas of the car. Working closely with car manufacturers and module makers and building on 15 years of In-Vehicle Network (IVN) developments, NXP offers a complete portfolio for your automotive communication needs. We deliver industry leading silicon solutions for CAN, LIN and FlexRay that deliver numerous product / system benefits, and continue to lead with drop-in upgrades as requirements change.

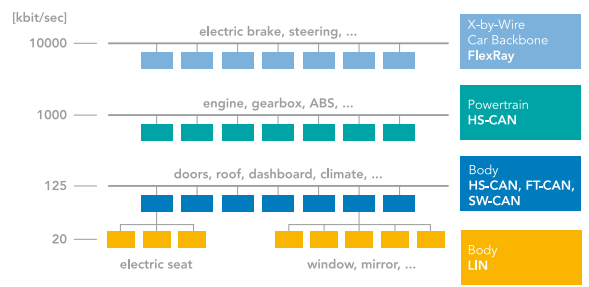
- ▶ Widest portfolio of transceivers covering all industry accepted standards
- ▶ Complete CAN family covers all three CAN physical layer implementations
  - includes 'golden devices' for newer standards
- ▶ Growing selection of LIN2.0 / SAE-J2602 compatible ICs
  - fully complements our proven CAN family
- ▶ Extensive feature set integrated in industry's first FlexRay transceiver
  - helps drive new network opportunities
- ▶ Fail-Safe SBC family with scalable platform approach
  - quick and easy development of robust, fail-safe ECUs



**Innovative expertise**

It is not just the performance of our transceivers and Fail-Safe System Basis Chips that makes NXP stand out. We continue to push performance boundaries and integration levels through developments such as our ABCD (Advanced Bipolar-CMOS-DMOS) fabrication processes. In-house application expertise and our significant roles in developing standards, clearly helps NXP understand your specifications and requirements. All this so you can enhance your communication capabilities and minimize time-to-market.

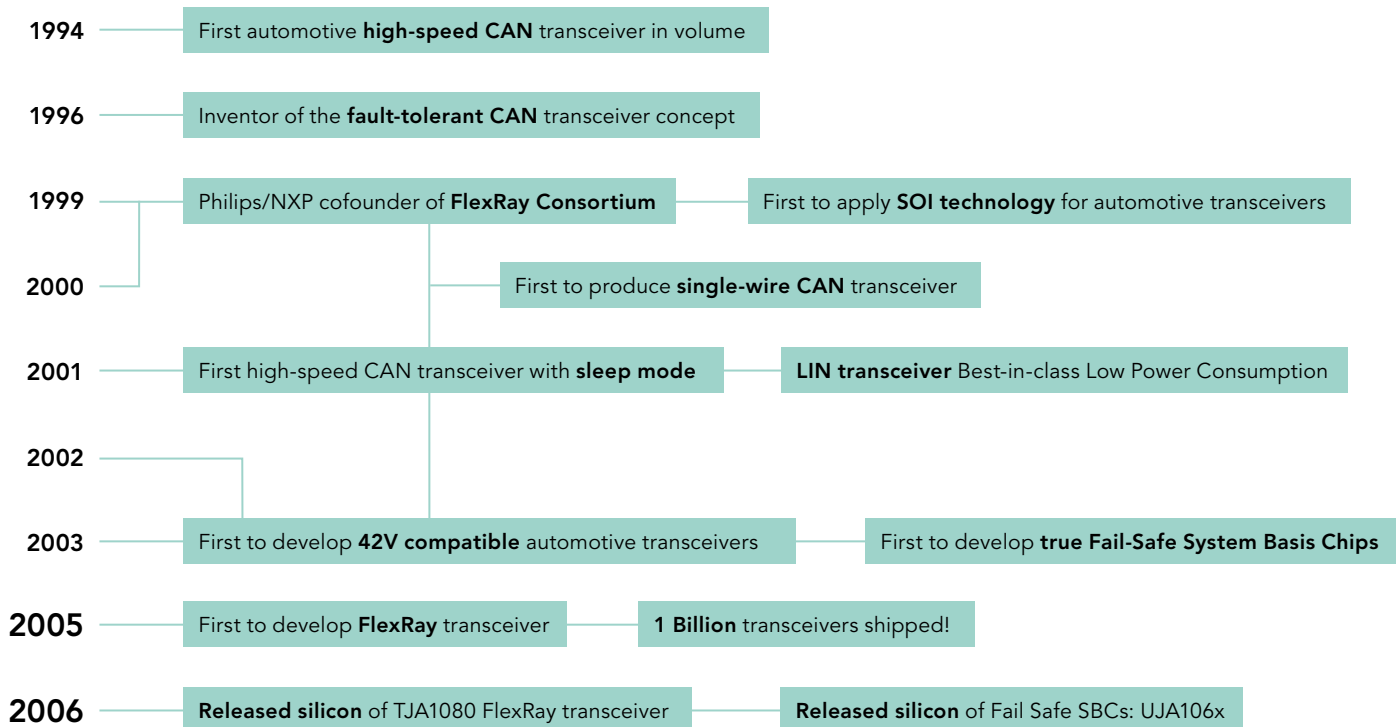
- ▶ Dedicated application support based on NXP’s unique, extensive automotive networking system knowledge (Automotive Innovation Center)
- ▶ Latest ABCD process delivers performance / system benefits
  - crucial protection for sensitive electronics, low power and superior EMC performance
- ▶ Helping drive industry developments
  - founding and core member of FlexRay consortium



Representative applications of LIN, CAN and FlexRay

Standards and Topology

## A track record of industry shaping milestones



For more information about in-vehicle networking: [www.nxp.com/ivn](http://www.nxp.com/ivn)

For support: [www.nxp.com/support](http://www.nxp.com/support)

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