

A²B BUS FEATURES

Line topology

Single master, multiple slave

Up to 15 m between nodes and up to 40 m overall cable length

Communication over distance

Synchronous data

Multichannel I²S/TDM to I²S/TDM

Clock synchronous, phase aligned in all nodes

Low latency slave to slave communication

Control and status information I²C to I²C

GPIO over distance

Phantom power or local power slave nodes

Configurable with SigmaStudio graphical software tool

Qualified for automotive applications

ADDITIONAL TRANSCEIVER FEATURES

Configurable as A²B bus master or slave (AD2425W)

I²C interface

8-bit to 32-bit multichannel I²S/TDM interface

I²S/TDM/PDM programmable data rate

Up to 32 upstream and 32 downstream channels

PDM inputs for 4 high dynamic range microphones

APPLICATIONS

Automotive audio communication link

Active noise cancellation

Microphone arrays for hands free and in car communication

GENERAL DESCRIPTION

The Automotive Audio Bus (A²B[®]) provides a multichannel, I²S/TDM link over distances of up to 15 m between nodes. It embeds bidirectional synchronous data (for example digital audio), clock, and synchronization signals onto a single differential wire pair. A²B supports a direct point to point connection and allows multiple, daisy-chained nodes at different locations to contribute or consume time division multiplexed channel content. A²B is a single-master, multiple-slave system where the transceiver chip at the host controller is the master. The master generates clock, synchronization, and framing for all slave nodes. The master A²B chip is programmable over a control bus (I²C) for configuration and read back. An extension of this control bus is embedded in the A²B data stream, which grants direct access of registers and status information on slave transceivers as well as I²C to I²C communication over distance.

Table 1. Product Comparison Guide

Feature	AD2421W	AD2422W	AD2425W
Master capable	No	No	Yes
Functional TRX blocks	A only	A + B	A + B
I ² S/TDM support	No	No	Yes
PDM microphone inputs	4 mics	4 mics	4 mics
Maximum node to node cable length	15 m	15 m	15 m

FUNCTIONAL BLOCK DIAGRAM



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Automotive Audio Bus A B Transceiver Data Sheet

JE Gale



Automotive Audio Bus A B Transceiver Data Sheet:

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International Commerce ,1970 **CQ** ,1991 **Diamond's Japan Business Directory** Diamond Lead Company,1985
Sport Aviation ,1987 **International Commerce** ,1970 **Thomas Register** ,2004 **Ulrich's Periodicals**
Directory ,1989 **Predicasts F & S Index International Annual** ,1981 **Thomas Register of American**
Manufacturers and Thomas Register Catalog File ,1996 Vols for 1970 71 includes manufacturers catalogs *F & S*
Index International: Industries, Countries, Companies ,1981 O Vale do Parateí Augusto Humberto Vairo Titarelli,1975
Individualizacao geografica A problematica geomorfologica Abordagem metodologica O Rift Valley do medio Paraiba e o
Paratei Os blocos cristalinos que enquadram o vale do Paratei A parte central deprimida do vale do Paratei A dinamica atual
da paisagem

The book delves into Automotive Audio Bus A B Transceiver Data Sheet. Automotive Audio Bus A B Transceiver Data Sheet is a vital topic that must be grasped by everyone, from students and scholars to the general public. The book will furnish comprehensive and in-depth insights into Automotive Audio Bus A B Transceiver Data Sheet, encompassing both the fundamentals and more intricate discussions.

1. The book is structured into several chapters, namely:

- Chapter 1: Introduction to Automotive Audio Bus A B Transceiver Data Sheet
- Chapter 2: Essential Elements of Automotive Audio Bus A B Transceiver Data Sheet
- Chapter 3: Automotive Audio Bus A B Transceiver Data Sheet in Everyday Life
- Chapter 4: Automotive Audio Bus A B Transceiver Data Sheet in Specific Contexts
- Chapter 5: Conclusion

2. In chapter 1, the author will provide an overview of Automotive Audio Bus A B Transceiver Data Sheet. The first chapter will explore what Automotive Audio Bus A B Transceiver Data Sheet is, why Automotive Audio Bus A B Transceiver Data Sheet is vital, and how to effectively learn about Automotive Audio Bus A B Transceiver Data Sheet.

3. In chapter 2, the author will delve into the foundational concepts of Automotive Audio Bus A B Transceiver Data Sheet. This chapter will elucidate the essential principles that need to be understood to grasp Automotive Audio Bus A B Transceiver Data Sheet in its entirety.

4. In chapter 3, this book will examine the practical applications of Automotive Audio Bus A B Transceiver Data Sheet in daily life. This chapter will showcase real-world examples of how Automotive Audio Bus A B Transceiver Data Sheet can be effectively utilized in everyday scenarios.

5. In chapter 4, the author will scrutinize the relevance of Automotive Audio Bus A B Transceiver Data Sheet in specific contexts. The fourth chapter will explore how Automotive Audio Bus A B Transceiver Data Sheet is applied in specialized fields, such as education, business, and technology.

6. In chapter 5, this book will draw a conclusion about Automotive Audio Bus A B Transceiver Data Sheet. This chapter will summarize the key points that have been discussed throughout the book.

The book is crafted in an easy-to-understand language and is complemented by engaging illustrations. This book is highly recommended for anyone seeking to gain a comprehensive understanding of Automotive Audio Bus A B Transceiver Data Sheet.

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