



Si4703 FM Stereo Receiver Module with RDS

SKU: 26958

Description

The Si4703 FM Stereo Receiver module is a compact and powerful solution for integrating FM radio capabilities into your projects. Designed with efficiency and versatility in mind, this module is perfect for hobbyists, engineers, and students looking to add high-quality audio reception to their electronic creations.

Key Features:

- FM Radio Band Support:** Covers a wide frequency range from 76MHz to 108MHz, including global FM bands.
- High-Quality Stereo Output:** Provides crisp and clear stereo audio, ensuring an excellent listening experience.
- Integrated Tuning Functions:** Features automatic station search and strong signal locking for hassle-free tuning.
- I2C Interface:** Simple and reliable communication with microcontrollers such as Arduino, Raspberry Pi, or other embedded systems.
- Minimal External Components:** Built-in low-noise amplifiers and digital processing eliminate the need for additional circuitry.
- RDS Support:** Decodes Radio Data System (RDS) signals, allowing access to station information, song details, and more (when supported by the broadcaster).
- Low Power Consumption:** Operates efficiently, making it ideal for battery-powered projects.

Specifications:

- Operating Voltage:** 2.7V to 5.5V
- Audio Output:** Stereo via 3.5mm jack
- Communication Protocol:** I2C (3.3V logic)
- Module Dimensions:** Compact size for easy integration into small projects
- Compatibility:** Works seamlessly with various microcontroller platforms

Applications:

- Build your own FM radio receiver with customizable features.
- Create audio systems for vehicles, portable radios, or home audio setups.
- Use in educational projects to learn about RF communication and signal processing.
- Integrate into IoT devices for streaming FM stations in smart home systems.

Why Choose the Si4703 FM Stereo Receiver?

The Si4703 stands out for its reliability, excellent sound quality, and ease of use. Whether you're a beginner exploring the world of FM radio or a professional developing advanced audio systems, this module offers the perfect balance of functionality and simplicity. Its robust performance and wide compatibility make it a go-to choice for FM radio integration in a variety of applications. Get your Si4703 FM Stereo Receiver today and start bringing high-quality radio functionality to your projects!