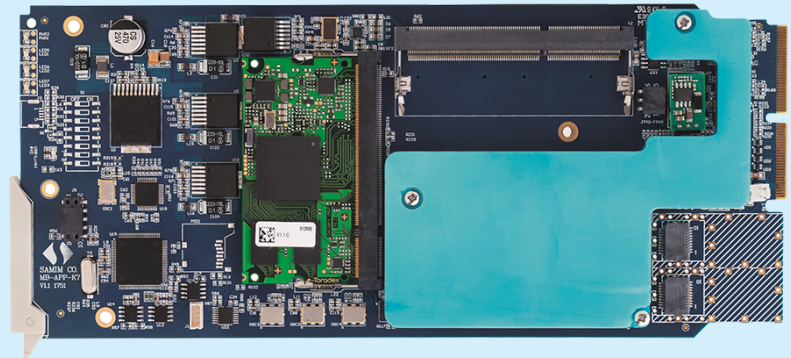


MCD-1080

Multi-Channel Audio Decoder

2024 Datasheet

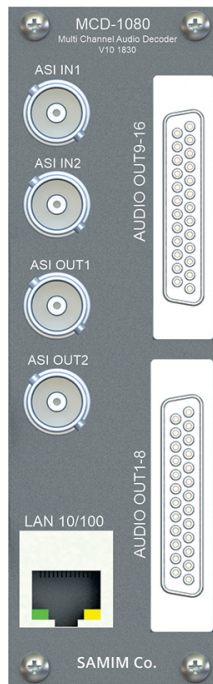


The MCD-1080 serves as a multichannel audio decoder specifically crafted for operations within FM/AM transmitter stations and monitoring environments. Capable of decoding 8 compressed audio services, it seamlessly processes TS signals sourced from two DVB-ASI ports or via TS over UDP/IP stream. The selected services from all available sources are decoded and transmitted through analog or digital audio interfaces, depending on the configuration of ordered audio modules. For analog audio output, the installation of two *AAO8* modules is required, while for digital audio output, a single *DAO8* module suffices. Additionally, in the latter case, the free slot can accommodate a second *DAO8* module, providing an additional 8 outputs identical to the initial 8 outputs, thus eliminating the necessity for extra distribution equipment. Key features of the MCD-1080 include simultaneous decoding, gain control, and I/O monitoring. Configuration of this module is facilitated through a user-friendly web-based interface.

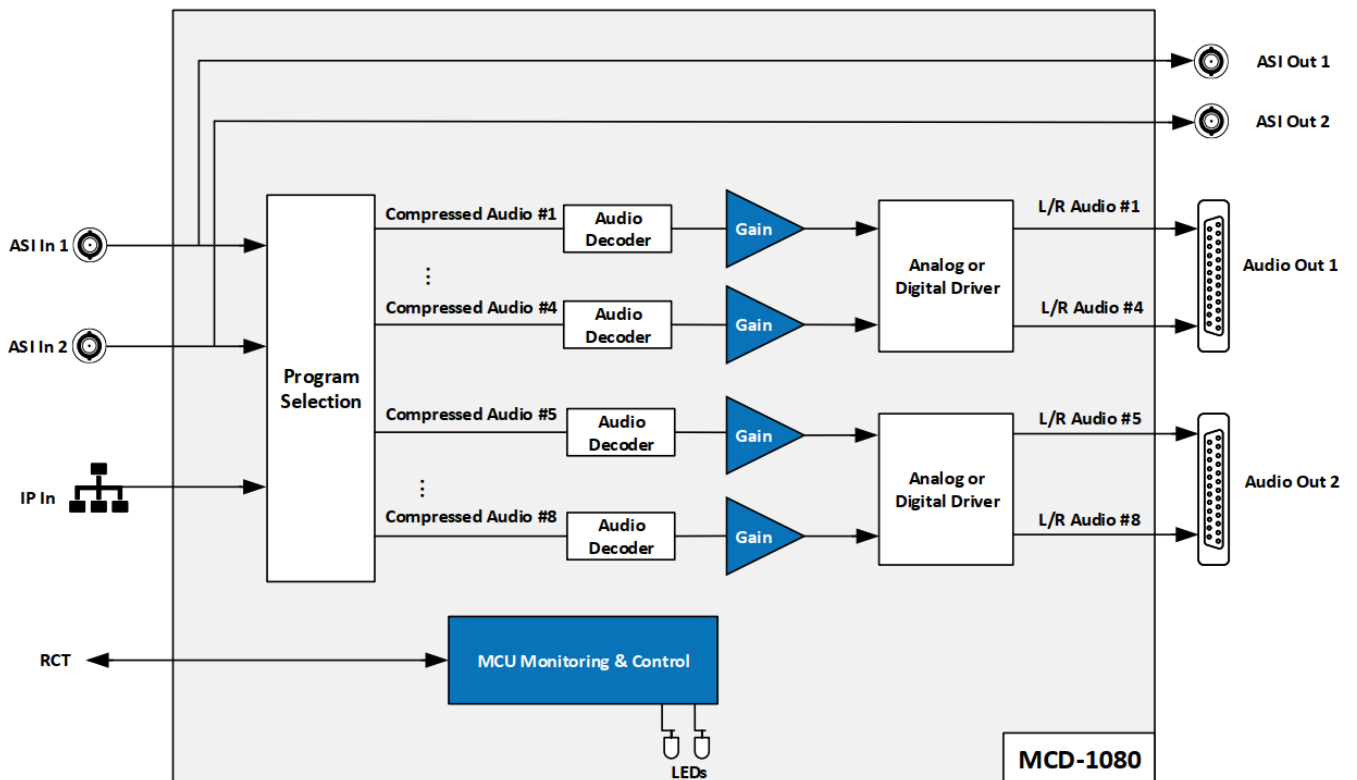
Key Features

- Up to 8 simultaneous audio service decoding from all available sources
- Analog or digital audio outputs
- Supporting HE-AAC and MPEG1 layer-2 audio coding schemes
- Configurable audio gain per decoded audio channel
- Audio silence detection per decoded audio channel
- Two DVB-ASI input with (active) loop outputs
- 10/100 Ethernet connection for receiving an MPTS over UDP stream (separate from frame LAN)
- Web-based UI for configuration and monitoring
- Remote firmware upgrade

Back Panel



Block Diagram



System Requirements

Type	Product	Description
Frame	SRM-0645	1RU Frame with Controller
	SRM-0655	3RU Frame with Controller

Ordering Information

Order Code	Description	Type
MCD-1080	8-Channel Audio Decoder Main Board	Main Board
MCD-1080-3DRP	Back-panel for MCD-1080 (compatible with SRM-655)	Back Panel
MCD-1080-1DRP	Back-panel for MCD-1080 (compatible with SRM-645)	Back Panel
MOD-APP-DA08	8-Channel Digital Stereo Audio Output Module	Basic I/O Module (x1 per main board is required in case of digital output operation, second one can be used for another set of identical outputs)
MOD-APP-AA08	8-Channel Analog Mono Audio Output Module	Basic I/O Module (x2 per main board is required in case of analog output operation)

Note: DA08 and AA08 can not be used together.

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