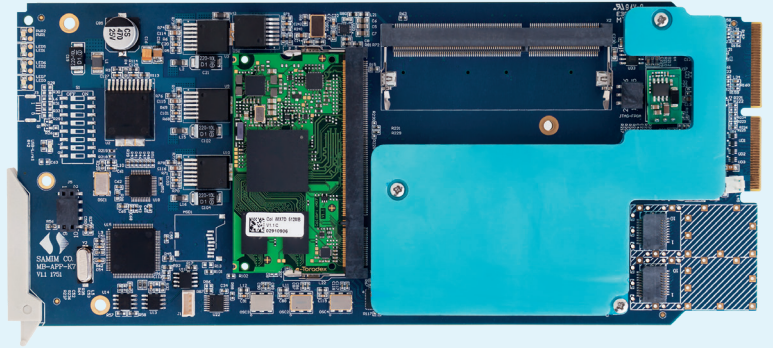


# MCD-1080

Multi-Channel Audio Decoder

2019 Datasheet



**S**AMIM MCD-1080 is a multichannel audio decoder which is able to decode 8 compressed audio streams. It receives TS signals from DVB-ASI or IP stream, decodes the audio according to user request and delivers it to analog or digital driver. Simultaneous decoding, gain control, I/O monitoring are some features of the MCD-1080. This card is controllable through web user interface and SNMP protocol.

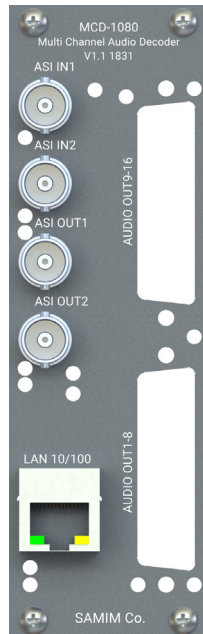
## Key Features

- Supports Analog/Digital audio outputs
- Supports Audio MPEG1 Layer2 and HE-AAC decoding
- Up to 8 simultaneous audio decoding
- Configurable audio gain per decoder
- Audio silence and audio level detection per decoder (option)
- Cost-effective and less implementation complexity
- Supports DVB-ASI input
- Web interface remote control
- Remote update
- SNMP support

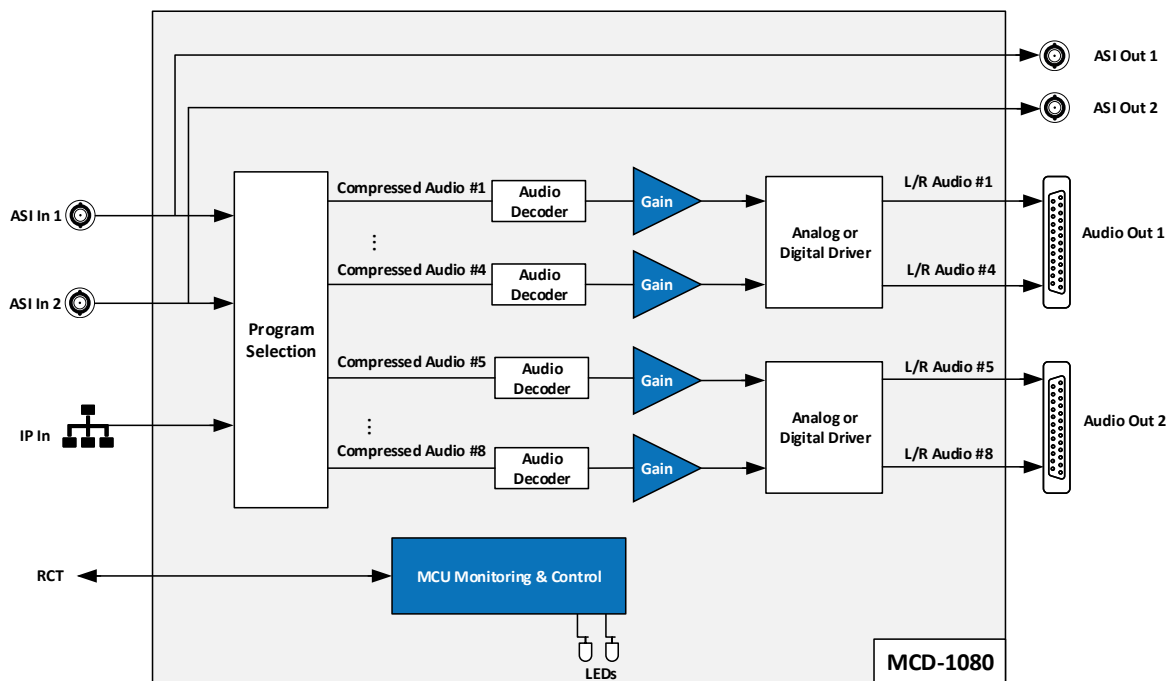
## Applications

- For AM & FM transmission inputs
- DVB audio ingests
- DVB audio monitoring

Back Panel



Block Diagram



## Specifications

ASI Input		Electrical	
Signal type	DVB-ASI	Voltage	$\pm(8\sim 12)V$ DC
Standards	ISO-13818-1	Power	<20W
Number of inputs	2	Mechanical	
Connector	BNC	Dimensions	220 mm × 100 mm (for 19", 3RU standard frame)
Impedance	75 $\Omega$	Weight	250 g with shield plate, 100 g back panel
Audio Output		Environmental	
Signal type	Balanced	Temperature	5 °C to 40 °C
Connector	25 pin D-sub	Humidity	0% to 90%
Number of outputs	16 CH (8 pair)		
Impedance	<50 $\Omega$		
Ethernet Port			
Type	RJ45		
Standard	IEEE 802.3		
Transport	MPEG over UDP (input)   UDP (RFC 768)   IPv4 (RFC 760)		

## System Requirements

Type	Item	Product	Description
Frames and Accessories	1	SRM-0645	1RU Frame with Redundant Power Supply
		SRM-0655	3RU Frame with Two 150/225W Power Supplies and Fan Door with LED Display

## Ordering Information

Product	Description
MCD-1080/8A	8-Channel Analog Audio Decoder
MCD-1080/8D	8-Channel Digital Audio Decoder
MCD-1080/8AD	4 Digital Audio Output + 4 Analog Audio Output

With the mighty R&D approach in the market, we are an innovation company, perpetually breaking ground with game changing technology advancements. Consequently, we enable our customers to create and broadcast higher quality media, with less complexity and cost.

Our products provide high flexibility over conventional broadcast channels and Video-on-Demand to TV stations and smart devices. Our cutting-edge IP solutions are based on open standards to help enhance broadcasting companies' trade nimbleness and their capability to broadcast mighty stories with astonishing pictures. Either HD or 4K, HDR, SDI or IP, SAMIM group provides solutions that make our customers more successful with the great flexibility to create, manage and connect the media reliably.

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