

## General Description

The **EBMUX4-MDM-4DS3A** is a System-On-Chip (iSOC) solution that interfaces on one side to four (4) DS3 Asynchronous multiplexers at an aggregate rate of 4x44.736Mb/s and to a High-Speed DAC/ADC on the other. The module contains all transport overhead Mux-Demux functions, High-Efficiency Quadruple Error Correction (HE-QEC), AES-128 Encryption/Decryption, Phase-Resolving, Adaptive Equalizer, FIR filters, Error Performance Computations, and microprocessor interfacing circuitry.

## Applications



The **EBMUX4-MDM-4DS3A** finds applications in:

- Radio/Wireless high-capacity Transport and Distribution systems
- First mile/Last mile millimeter wave radios
- 30MHz RF channelization plans

## Features

The **EBMUX4-MDM-4DS3A**'s main features are:

- High-Efficiency Quadruple Error Correction (HE-QEC)
- Fully digital Adaptive Equalizer and FIR filters
- AES-128 Encryption/Decryption
- Four (4) DS1 Wayside
- Extensive transmission impairment monitoring
- Error corrected Orderwire, and Data channels

For more information regarding this product, please contact sales at: 1-514-624-4458 or at [sales2@newcoretech.com](mailto:sales2@newcoretech.com)

You may also visit NewCore's web site at: [www.newcoretech.com](http://www.newcoretech.com)