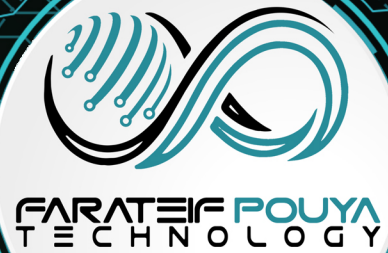


1110, Commercialization & Technomart Complex,  
Pardis Technology Park, Tehran, Iran  
Tel: +98 21 76250995  
Fax: +98 21 76250998  
Email: info@farateif.com



# FTP-FMCDAQ2-EBZ-01

## Introduction

The AD-FMCDAQ2-EBZ module is comprised of the AD9680 dual, 14-bit, 1.0 GSPS, JESD204B ADC, the AD9144 quad, 16-bit, 2.8 GSPS, JESD204B DAC, the AD9523-1 clock, and power management components. It is clocked by an internally generated carrier platform via the FMC connector, comprising a completely self contained data acquisition and signal synthesis prototyping platform.

## Features

- FMC-compatible form factor
- Provides two channels of ADC and two channels of DAC with full synchronization capabilities

## AD9680-1000 ADC

- SFDR: 80 dBc @ 1 GHz AIN, 1.0 GSPS
- 2 GHz of usable analog input full power bandwidth
- Two integrated DDCs per channel

## AD9144 DAC

- Supports complex signal bandwidths up to 800 MHz
- SFDR = 85 dBc (BW = 300 MHz) @ DC IF
- Selectable 2×, 4×, 8× interpolation filters

## Applications

- Electronic test and measurement equipment
- General-purpose software radios
- Radar systems
- Ultra wideband satellite receivers
- Signals intelligence (SIGINT)
- DOCSIS 3.0 CMTS and HFC networks
- Multiple input/multiple output (MIMO) radios

