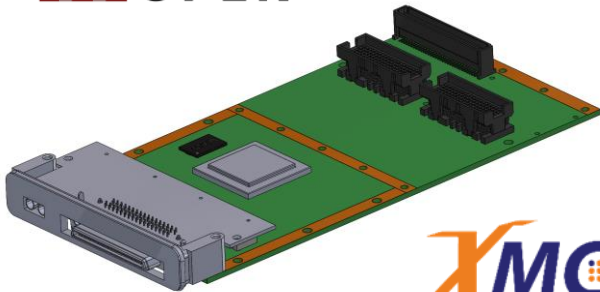




## LXMC-IO-AN1

### Analog I/O Module



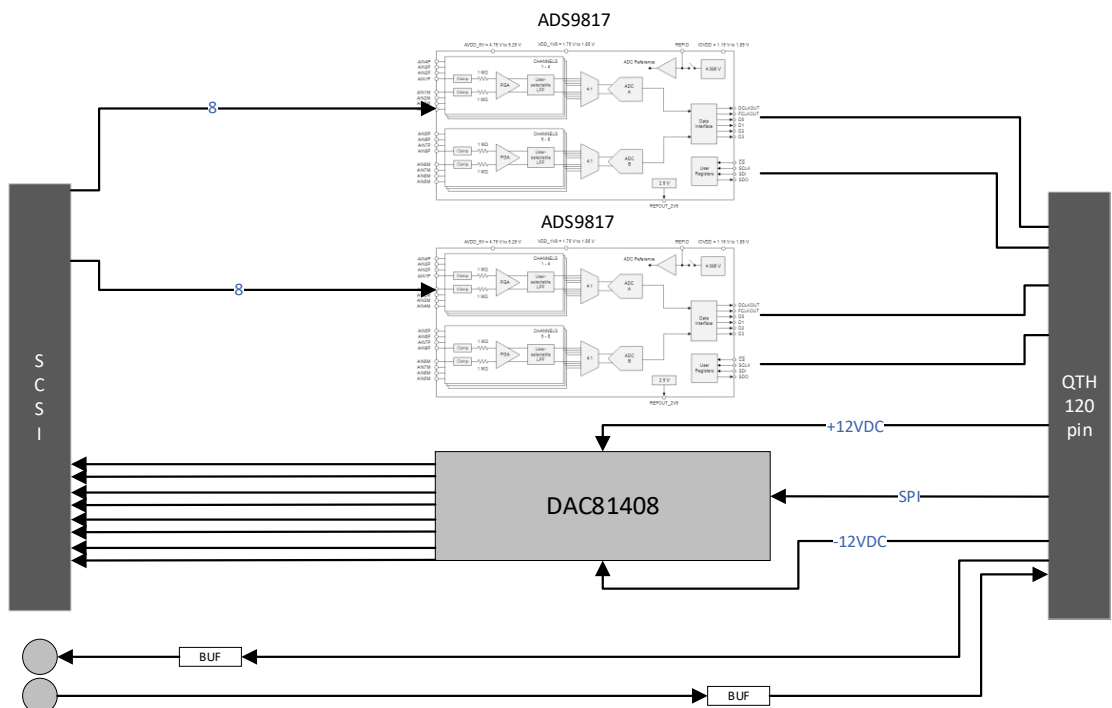
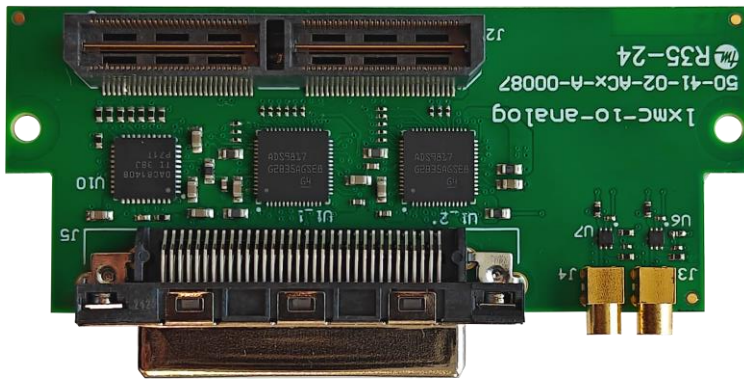
#### Key Features

LXMC-IO-AN1 is a 16 channel analog inputs and 8 channel analog outputs for measurements.

#### I/O Module for LXMC-X101

Provides:

- ▶ 16x +/-12 V analog inputs
  - differential or single ended
  - 2MSample/s at 18bit
  - Integrated PGA and low pass filter
- ▶ 8x analog outputs
  - 4x differential or 8x single ended
  - Up to +/-12 V
  - 16bit
- ▶ 1x MMCX coaxial TTL input
- ▶ 1x MMCX coaxial TTL output



# Specification

## Characteristics

- ▶ I/O Module for LXMC-X101
- ▶ Based on ADS9817 for ADC
- ▶ Based on DAC81408 for DAC

## Environmental

- ▶ Commercial operating temperature (N-grade): 0°C to +55°C, air cooled
- ▶ Extended operating temperature (E-grade): -25°C to +70°C, air cooled
- ▶ Industrial operating temperature (K-grade): -40°C to +70°C, air cooled

## Mechanical

- ▶ LXMC-IO form factor

## Firmware (available through the LVD FPGA FDK – to be ordered separately)

- ▶ PCIe end-point
- ▶ 4 channel DMA engine
- ▶ Example design
- ▶ Full source code

## Software (available through the LVD FPGA SDK – to be ordered separately)

- ▶ Linux driver
- ▶ RTX driver (available on demand)
- ▶ Full source code

## Certification

- ▶ REACH / RoHS compliant

## Ordering information

Base Part Number: LXMC-IO-AN1-t

Variant	Grade
LXMC-IO-AN1	N-grade
LXMC-IO-AN1-E	E-grade
LXMC-IO-AN1-K	K-grade

Popular Example: LXMC-IO-AN1  
*commercial grade module*

## Related products

LXMC-X101	LXMC FPGA Board
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Please contact directly LVD Systems for any other information needed for this product



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Revision 1.3  
Date 10/04/2025