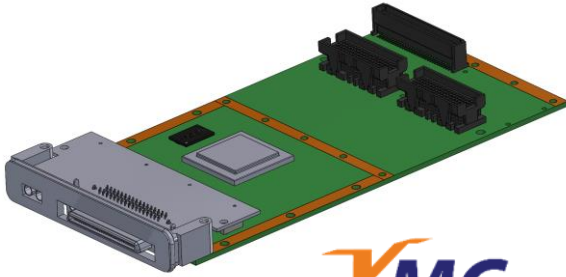




LXMC-IO-RSL

RS422/LVDS I/O Module



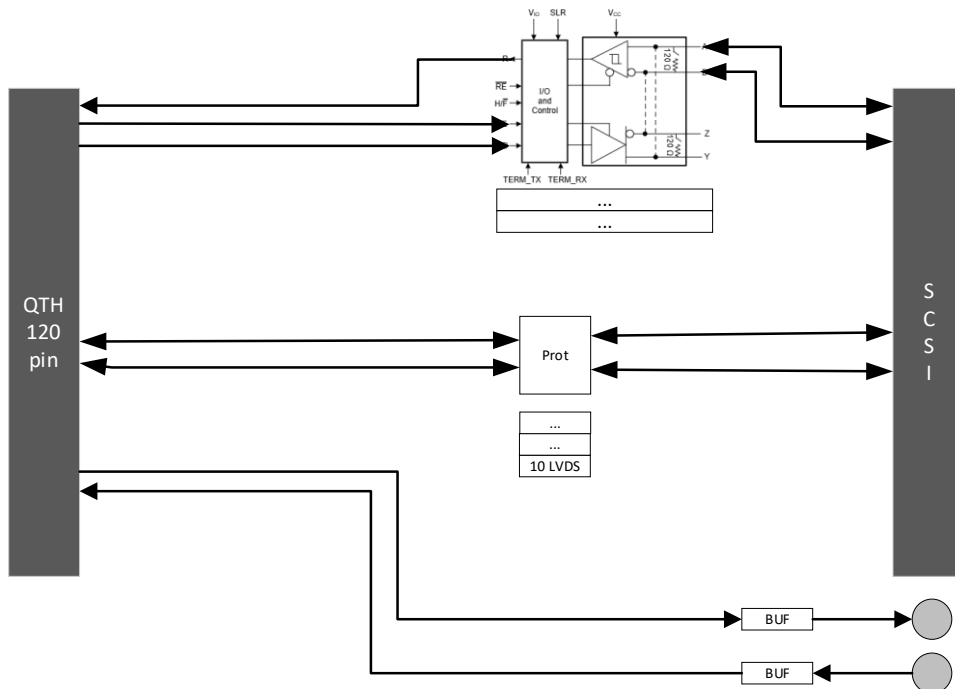
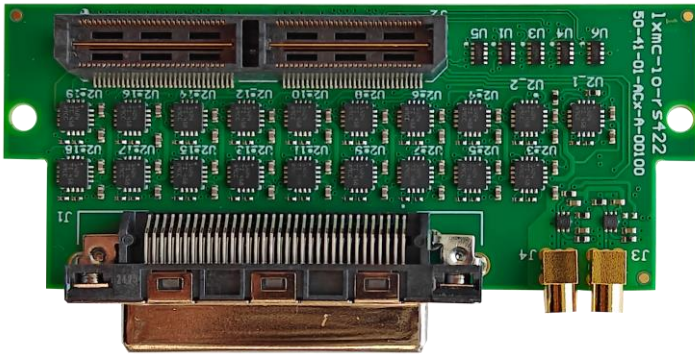
Key Features

LXMC-IO-RSL is 19x channels RS422 and 9x LVDS channels

I/O Module for LXMC-X101

Provides:

- ▶ RS422/RS485 19x half duplex channels up to 20 Mbps
 - Programmable termination
 - SW programmable direction control
- ▶ 9x LVDS bidirectional channels
 - SW programmable direction control
- ▶ MMCX coaxial TTL input
- ▶ MMCX coaxial TTL output



Specification

Characteristics

- ▶ I/O Module for LXMC-X101
- ▶ Based on THVD1425 for RS422

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-RSL-t

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

Popular Example: LXMC-IO-RSL
commercial grade module

Related products

LXMC-X101	LXMC FPGA Board
-----------	-----------------

Please contact directly LVD Systems for any other information needed for this product

