

# QUANSER TERMINAL BOARD FOR NI myRIO

The Quanser Terminal Board for NI myRIO (QTB) is a connector terminal designed for the National Instruments™ myRIO embedded platform. The QTB and NI myRIO solution has been designed specifically for controls education, offering a feature rich solution to easily interface with a broad selection of Quanser control experiments.

The QTB has two analog inputs, two analog outputs and two single-ended encoder input interfaces, minimizing the need for additional equipment. All inputs and outputs are accessed simultaneously, using un-buffered single point reads and writes, a requirement for real-time applications. The convenient set of I/O and connectors minimizes setup time and connection errors allowing students to concentrate on learning the fundamentals of hardware interfacing and control.

### HOW IT WORKS

The QTB is driven by the Quanser Rapid Control Prototyping (RCP) Toolkit, a software add-on for NI LabVIEW™. With the RCP Toolkit, users can interface with a wide range of Quanser control experiments and develop control algorithms that can be deployed on the NI myRIO in a straightforward and efficient way.



NI Part No. 783474-01

### FEATURES

- Designed to connect to the 20 pin port C on the NI myRIO
- Easy connection to Quanser amplifiers and experiments

### SYSTEM REQUIREMENTS

- NI myRIO
- 32-bit LabVIEW™
- LabVIEW™ NI myRIO Module

### WEIGHT AND DIMENSIONS

Dimensions (L x W x H)	0.095 x 0.070 x 0.025 m
Weight	0.098 kg

### I/O SUMMARY

- 2 ADCs
- 2 DACs
- 2 encoder inputs connected to 5 pin DINs

### About Quanser:

Quanser is the world leader in education and research for real-time control design and implementation. We specialize in outfitting engineering control laboratories to help universities captivate the brightest minds, motivate them to success and produce graduates with industry-relevant skills. Universities worldwide implement Quanser's open architecture control solutions, industry-relevant curriculum and cutting-edge work stations to teach Introductory, Intermediate or Advanced controls to students in Electrical, Mechanical, Mechatronics, Robotics, Aerospace, Civil, and various other engineering disciplines.