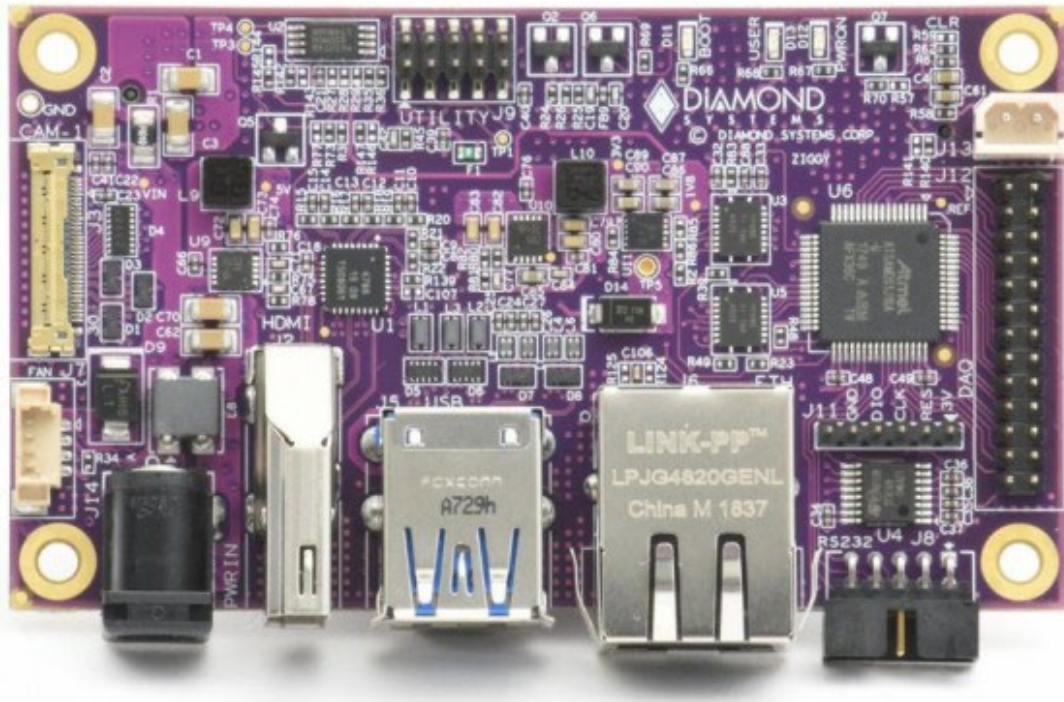


DIAMOND SYSTEMS ZIGGY

COMPACT LOW-COST PLATFORM FOR EVALUATION



Key Features

- 1x 4-channel CSI camera input
- 10/100/1000 Ethernet (RJ-45)
- 3x USB, wide range voltage input
- 6x analog inputs, 2x analog outputs
- -40 to +85°C temperature operation

Introduction

Ziggy offers a compact, low-cost platform for evaluation of Jetson computer modules as well as the implementation of a marketable solution for AI and machine learning applications. Ziggy provides access to the most popular I/O features of the Jetson modules, including camera, Ethernet, USB, and serial. In addition, it features a unique data acquisition circuit with analogue

input, analogue output, and digital I/O to enable Ziggy to interface to the "real world" of analogue and digital sensors and controls.

Diamond provides a complete Linux BSP for Ziggy with built-in support for all I/O including the data acquisition features. A GUI provides convenient real-time control of the data acquisition I/O.

The ZiggyBox™ is a cost-effective, compact, complete turnkey Jetson computing solution consisting of a Jetson TX2/TX21i module installed on a Ziggy carrier board and housed in an enclosure with table-top, wall mount, or DIN-rail mount capability.

Adapter/Carrier

Features	For Jetson TX2/TX21 modules
Connections	1x 4-channel CSI camera input 1x 10/100/1000 Ethernet (RJ-45) 1x USB 3.0 Type A + 1x USB 2.0 Type A 1x USB 2.0 micro with OTG support 1x HDMI 2x RS-232 6x analog inputs, 12-bit resolution, 0-3.3V output range, up to 1Mps throughput 2x analog outputs, 12-bit resolution, 0-3.3V output range 12x digital I/O, 3.3V logic levels

General

Electrical	Input voltage: 9-15VDC (with TX2 installed) / 9V-19VDC (with TX2i installed)
Mechanical	87mm x 50mm / 3.43" x 1.97" (same size as Jetson™ module)
Software	N/A
Temperature	Temperature range (operation): -40 to +85°C Temperature range (storage): -40 to +85°C
Warranty	2 Years
RoHS	Compliant

Ordering Details

Board ZIG-001
Ziggy carrier board for Jetson TX2/TX2i computer on module (module and heat sink / fan sink
not included)

Accessories N/A