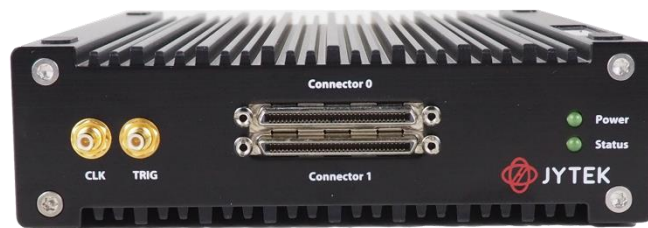




JY USB Series

Multi-functional Data Acquisition Boards

General Introduction



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Table of Contents

1.General Information	2
2.Special USB 3.0 Connection	2
2.1 USB Cable Connection.....	2
2.2 Special Step Sequence of Connecting.....	3
3.Product Ordering Information	4
4.About JYTEK.....	4
4.1 JYTEK China	4
4.2 JYTEK Hardware Products	4
4.3 JYTEK Software Platform	5
4.4 JYTEK Warranty and Support Services	5
5.Statement.....	6

1. General Information

This document presents the general information of JY USB measurement products. Only the USB 3.0 protocol or above are supported.

Table 1 lists the current available JY USB products. The technical specifications of the USB products are identical to those of PXIe and PCIe models. Users should follow the datasheet links to download the specifications.

Model Name	Main Function	DatasheetLink Usermanual Link
USB-5510/5511	Multi-Function DAQ	5510/5511 DataSheet 5510/5511 User Manual
USB-5321/5322/5323/5324	Multi-Function DAQ	5321/5322/5323/5324 Specs and Manual
USB-5515/5516	Multi-Function DAQ	5515/5516 DataSheet 5515/5516 User Manual
USB-6301	RTD Temperature DAQ	6301 DataSheet 6301 User Manual
USB-6302	Thermocouple Temperature DAQ	6302 DataSheet 6302 User Manual
USB-5711	Analog Output DAQ	5711 DataSheet 5711 User Manual

Table 1 JY USB Products

2. Special USB 3.0 Connection

2.1 USB Cable Connection

JYTEK provides a special USB cable. One end is a type-c connection and the other end is a USB-A connection. The type-c connection has an extra screw to improve connection reliability. You must match the screws from the cable to the USB chassis, details as shown in Figure 1. Failure to do so may lead to malfunction of the JY USB products.



Figure 1 USB Screw matching details

2.2 Special Step Sequence of Connecting

The current version of JY USB products requires a special sequence to connect the USB cable to the host computer, as showing Figure 2.

1. First connect the type-c end of the cable to USB chassis,
2. Connect the USB-A end of the cable to the host computer.

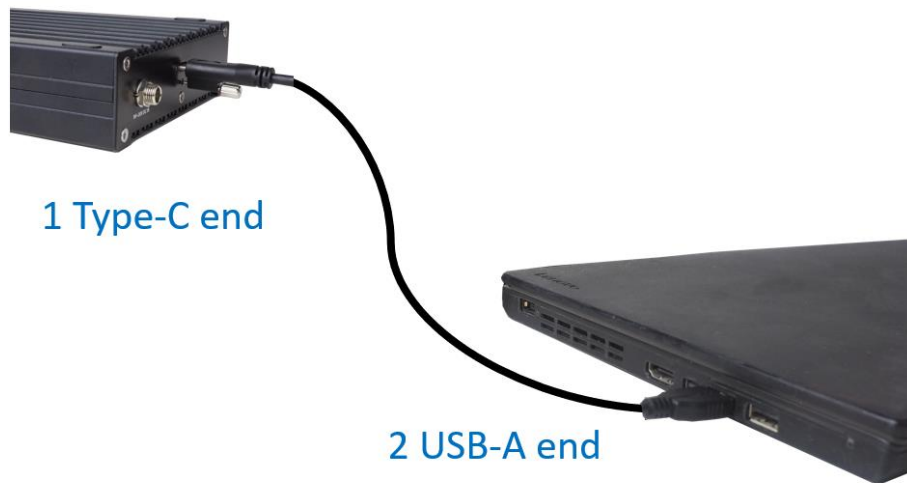


Figure 2 Connecting USB Products

Faliure to follow the above connection sequence may lead to the malfunction of the USB products.

3. Product Ordering Information

Please download JYTEK <[JYPEDIA](#)>, you can quickly inquire the product prices, ordering information and available accessories.

4. About JYTEK

4.1 JYTEK China

Founded in June, 2016, JYTEK China is a leading Chinese test & measurement company, providing complete software and hardware products for the test and measurement industry. The company is a joint venture between Adlink Technologies and a group of experienced professionals form the industry. JYTEK independently develop the software and hardware products and is entirely focused on the Chinese market. Our Shanghai headquarters and production service center have regular stocks to ensure timely supply; we have R&D centers in Xi'an and Chongqing to develop new products; we also have highly trained direct technical sales representatives in Shanghai, Beijing, Tianjin, Xi'an, Chengdu, Nanjing, Wuhan, Haerbin, and Changchun. We also have many partners who provide system level support in various cities.

4.2 JYTEK Hardware Products

According to JYTEK's agreement with our equity partner Adlink Technologies, JYTEK's hardware is manufactured by the state-of-art manufacturing facility located in Shanghai Zhangjiang Hi-Tech Park. Adlink has over 20 years of the world-class low-volume and high-mix manufacturing expertise with ISO9001-2008, China 3C, UL, ROHS, TL9000, ISO-14001, ISO-13485 certifications. Its 30,000 square meters facilities and three high-speed Panasonic SMT production lines can produce 60,000 pieces boards/month; it also has full supply chain management - planning, sweeping, purchasing, warehousing and distribution. Adlink's manufacturing excellence ensures JYTEK's hardware has word-class manufacturing quality.

One core technical advantage is JYTEK's pursue for the basic and fundamental technology excellence. JYTEK China has developed a unique PCIe, PXIe, USB hardware driver architecture, FirmDrive, upon which many our future hardware will be based.

In addition to our own developed hardware, JYTEK also rebrands Adlink's PXI product lines. In addition, JYTEK has other rebranding agreements to increase our hardware coverage. It is our goal to provide the complete product coverage in PXI and PCI modular instrumentation and data acquisition.

4.3 JYTEK Software Platform

JYTEK has developed a complete software platform, SeeSharp Platform, for the test and measurement applications. We leverage the open sources communities to provide the software tools. Our platform software is also open sourced and is free, thus lowering the cost of tests for our customers. We are the only domestic vendor to offer complete commercial software and hardware tools.

4.4 JYTEK Warranty and Support Services

With our complete software and hardware products, JYTEK is able to provide technical and sales services to wide range of applications and customers. In most cases, our products are backed by a 1-year warranty. For technical consultation, pre-sale and after-sales support, please contact JYTEK of your country.

5. Statement

The hardware and software products described in this manual are provided by JYTEK China, or JYTEK in short.

This manual provides the product review, quick start, some driver interface explanation for JYTEK JY5500 Series family of multi-function data acquisition boards. The manual is copyrighted by JYTEK.

No warranty is given as to any implied warranties, express or implied, including any purpose or non-infringement of intellectual property rights, unless such disclaimer is legally invalid. JYTEK is not responsible for any incidental or consequential damages related to performance or use of this manual. The information contained in this manual is subject to change without notice.

While we try to keep this manual up to date, there are factors beyond our control that may affect the accuracy of the manual. Please check the latest manual and product information from our website.

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