

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [OIKWAN](#) /

› [OIKWAN USB to RJ45 Console Cable Instruction Manual](#)

**OIKWAN 4351106646**

# OIKWAN USB to RJ45 Console Cable Instruction Manual

Model: 4351106646 | Brand: OIKWAN

## 1. INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your OIKWAN USB to RJ45 Console Cable. This cable is designed to facilitate debugging and configuration of network equipment such as Cisco routers, switches, firewalls, and other serial-based devices.

The OIKWAN USB to RJ45 Console Cable replaces traditional COM port RS232 (DB-25/DB-9) serial ports, allowing direct connection from your computer's USB port to a console port. It is an essential tool for network engineers and IT professionals.



Image: OIKWAN USB to RJ45 Console Cable, 6FT length, light blue color.

## 2. SETUP AND DRIVER INSTALLATION

### 2.1 Driver Installation

For most modern operating systems, the necessary drivers for the FTDI FT232RL serial chip will install automatically upon first connection. If automatic installation does not occur, or if you encounter issues, drivers can be manually downloaded from the official FTDI website.

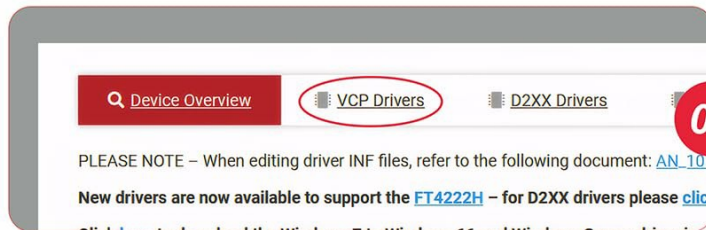
1. Navigate to the FTDI official website: <https://ftdichip.com/drivers/>
2. Select "VCP Drivers" in the navigation bar.
3. Choose the appropriate driver for your operating system (Windows, Mac OS, Linux, Android) and download it.
4. Follow the on-screen instructions to complete the driver installation.

When you received cable, please read user manual carefully.

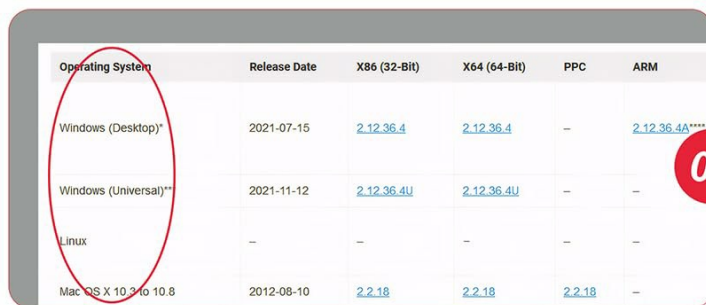
Driver need to be download from FTDI website or Cisco website.



**01** Navigate to the FTDI official website.



**02** select "VCP Drivers" in the navigation bar.



Operating System	Release Date	X86 (32-Bit)	X64 (64-Bit)	PPC	ARM
Windows (Desktop)*	2021-07-15	<a href="#">2.12.36.4</a>	<a href="#">2.12.36.4</a>	-	<a href="#">2.12.36.4A****</a>
Windows (Universal)**	2021-11-12	<a href="#">2.12.36.4U</a>	<a href="#">2.12.36.4U</a>	-	-
Linux	-	-	-	-	-
Mac OS X 10.3 to 10.8	2012-08-10	<a href="#">2.2.18</a>	<a href="#">2.2.18</a>	<a href="#">2.2.18</a>	-

**03** Select the driver according to your system, and then download it.

\* This cable is **CONSOLE RJ45** cable, **NOT Ethernet cable !!!**

\* This cable is a 8p8c cable .

\* Before ordering , please ensure the interface gender is what you need.

Image: Screenshot illustrating the steps to download drivers from the FTDI official website.

## 2.2 Connecting the Cable

Connect the USB end of the cable to an available USB port on your computer (laptop or PC). Connect the RJ45 end of the cable to the **CONSOLE** port of your network device (router, switch, firewall, server). It is crucial to connect to the dedicated CONSOLE port and **NOT** a standard Ethernet (LAN/WAN) port, as this cable is specifically designed for console access and not network data transfer.

# Do not connect network ports !!!

## Connect the CONSOLE port

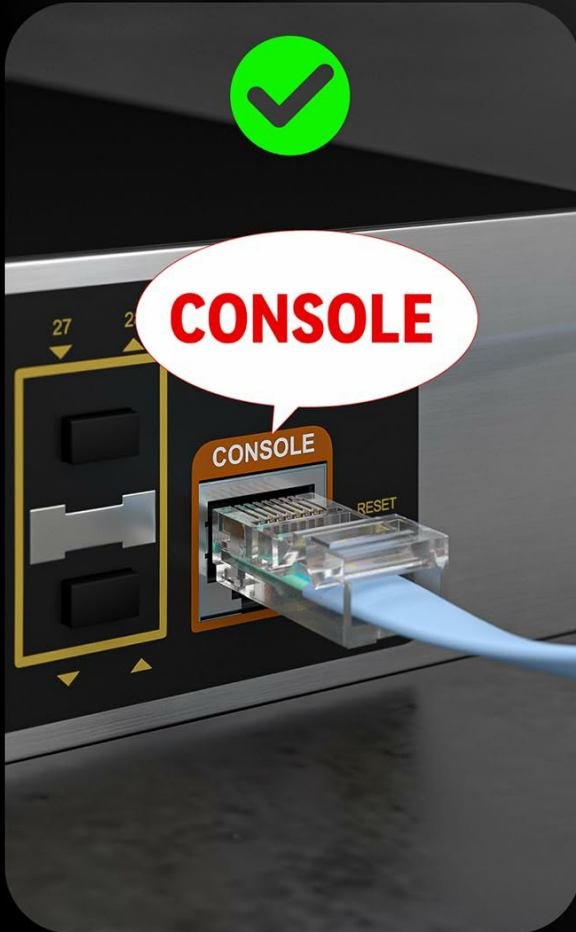


Image: Visual guide showing the correct connection to a console port and an incorrect connection to a LAN/WAN port.

### 3. OPERATING INSTRUCTIONS

Once connected and drivers are installed, your computer will recognize the console cable as a serial communication device. You can then use terminal emulation software (e.g., PuTTY, Tera Term, SecureCRT) to establish a connection with your network device's command-line interface (CLI) for configuration and management.

The cable is widely compatible with various brands and devices, including Cisco, Juniper, NETGEAR, Ubiquity, LINKSYS, TP-Link, Huawei, H3C, and HP, provided they have a compatible console port.

# Wide Compatibility

## USB A



Desktop



Laptop

## RJ45



Router



Switch



Firewall



Server

...



Image: Diagram illustrating the wide compatibility of the cable with desktop PCs, laptops, routers, switches, firewalls, and servers.

# SMART CABLE

Connects from laptop/PC's.  
USB port directly to a CONSOLE  
port like a charm



Image: A laptop connected to a network switch via the OIKWAN USB to RJ45 console cable, demonstrating its use for console access.

Video: An official product video demonstrating the connection and use of the USB to Console Cable for Switches, Firewall, Server, and Router. This video highlights the cable's functionality and ease of use.

## 4. SPECIFICATIONS

Feature	Description
Model Number	4351106646
Cable Length	1.8m / 6ft
Connector Type	USB 2.0 to RJ45 (8P8C)

Chipset	FTDI FT232RL
Max RS232 Speed	500kbaud
Compatible OS	Windows (10, XP, etc.), Mac OS, Linux, Android (except Chrome OS)
Product Dimensions	6.5 x 3.5 x 0.5 inches; 2.47 ounces
Special Features	Data Transfer, Short Circuit Protection, Gold-plated contacts

#### 4.1 Pinout Information

The cable features a standard 8P8C RJ45 connector. The pinout names are as follows:

- 1-CTS
- 2-DSR
- 3-RXD
- 4-GND
- 5-GND
- 6-TXD
- 7-DTR
- 8-RTS

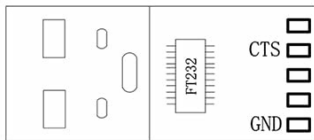
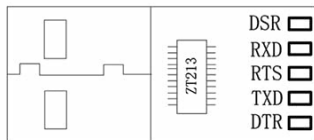
# 8p8c Console Cable Detail Display

Please ensure your device is match with our **Pin Line Sequence**



**USB A**

**RJ45:8P8C**



**USB A**

**RJ45**

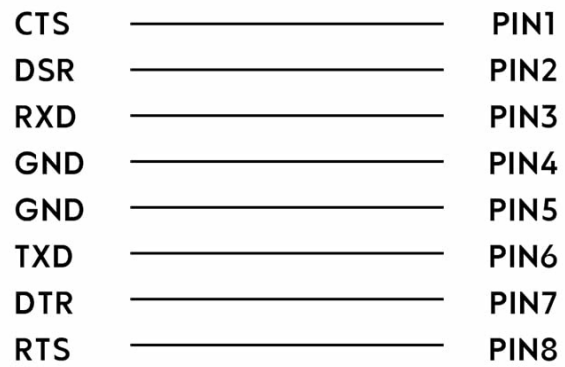


Image: Detailed diagram showing the 8P8C console cable pinout sequence and USB-A connector details.

## Powerful FT232 Chip

Ensure data security and  
provide efficient & stable data transfer

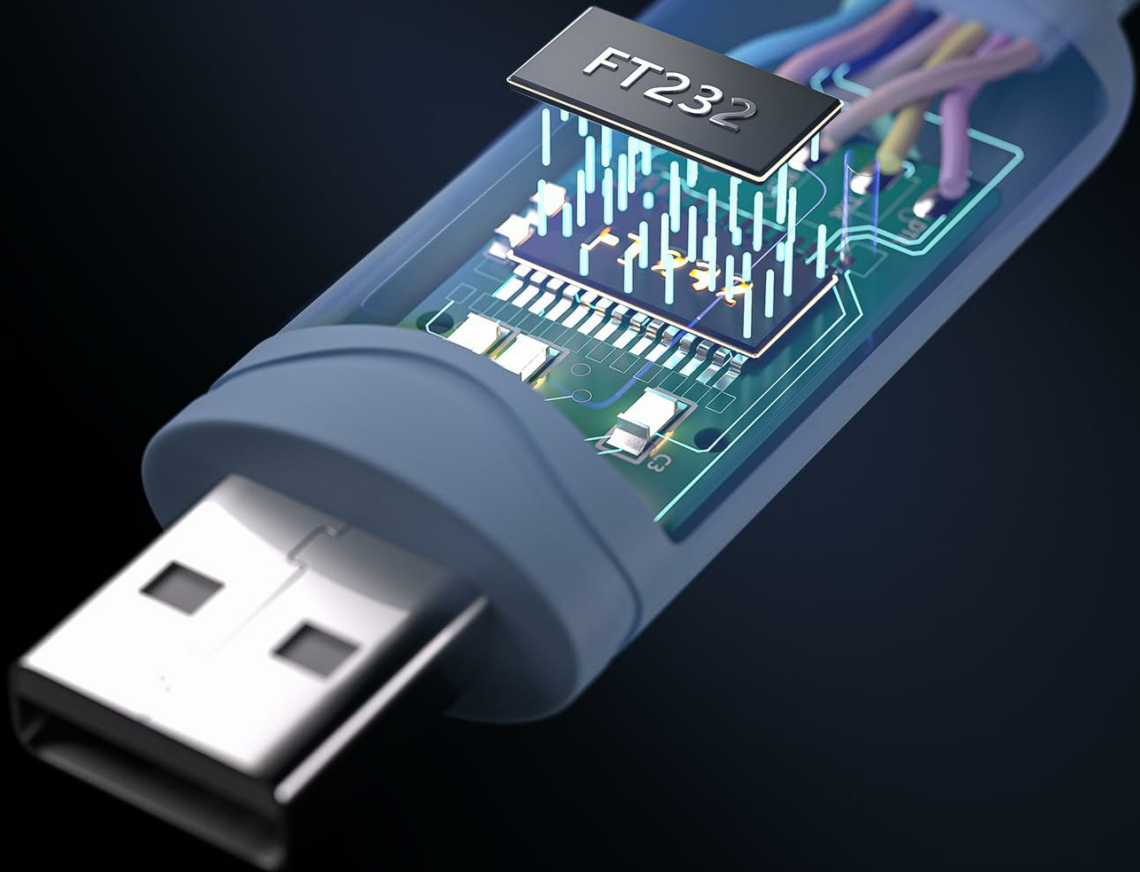


Image: Illustration of the powerful FT232 chip embedded within the USB connector, ensuring stable data transfer.

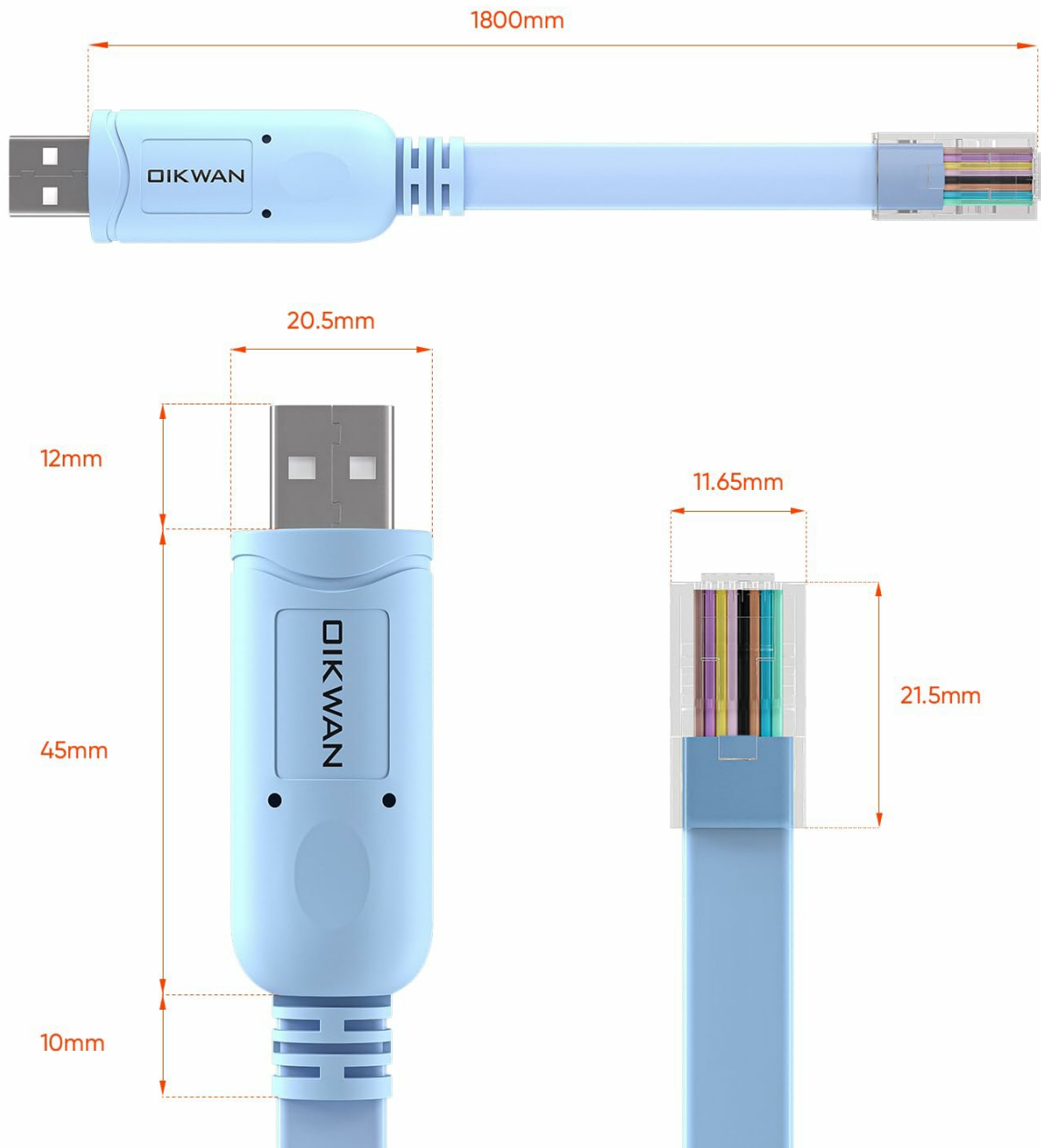


Image: Technical drawing displaying the precise dimensions of the OIKWAN USB to RJ45 console cable in millimeters.

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your OIKWAN USB to RJ45 Console Cable, follow these simple maintenance guidelines:

- Keep the cable clean and free from dust and debris.
- Avoid sharp bends or kinks in the cable, which can damage internal wiring.
- Store the cable in a cool, dry place away from direct sunlight and extreme temperatures.
- The gold-plated contacts are designed for resistance to oxidation and durable pluggability, ensuring the signal remains stable even after long-term use.

## 6. TROUBLESHOOTING

If you encounter issues while using your OIKWAN USB to RJ45 Console Cable, consider the following common problems and solutions:

### 6.1 Driver Not Recognized or Installed

- **Symptom:** The cable is connected, but your computer does not recognize it as a serial port, or the device manager shows an error.
- **Solution:** Manually download and install the latest drivers from the official FTDI website (<https://ftdichip.com/drivers/>). Ensure you select the correct driver for your operating system.

### 6.2 Unable to Connect to Network Device

- **Symptom:** The cable is connected, drivers are installed, but you cannot establish a console session.
- **Solution:** Verify that the RJ45 end of the cable is connected to the **CONSOLE** port of your network device, not an Ethernet (LAN/WAN) port. This cable is specifically for console access. Also, check your terminal emulation software settings (e.g., COM port number, baud rate).

### 6.3 Intermittent Connection or Data Loss

- **Symptom:** The connection drops frequently, or data transmission is unreliable.
- **Solution:** Ensure the cable is securely plugged into both the computer and the network device. Avoid placing the cable near sources of strong electromagnetic interference. The built-in FTDI FT232RL chip provides unparalleled connection stability, so check for physical damage to the cable or ports if issues persist.

## 7. WARRANTY AND SUPPORT

OIKWAN provides comprehensive customer support for your product. Your purchase is backed by a 180-day no-reason free return and refund policy. Additionally, lifetime customer support is available, with 24-hour online service to assist you with any inquiries or issues.

For support, please refer to the contact information provided with your purchase or visit the OIKWAN store on Amazon: [OIKWAN Amazon Store](#).