

# AD1 1-Bay Communications Dock

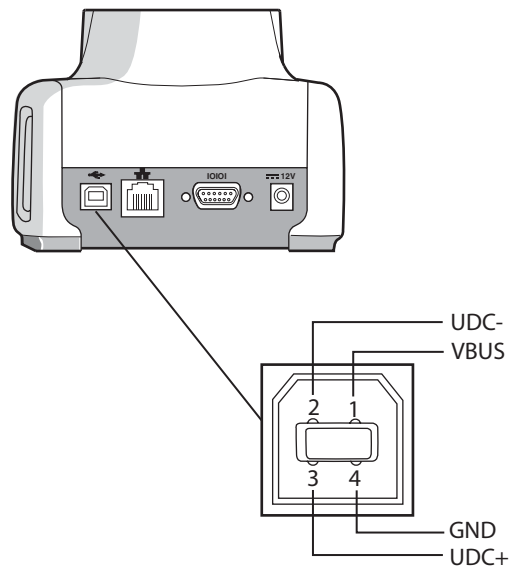


## Quick Start Guide



## USB Port Pinouts

Use this pinout if you want to make your own USB cable.



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AD1 1-Bay Communications Dock Quick Start Guide  
 P/N 073392-007



**To prevent fire or electric shock, do not expose the AD1 to rain or moisture.**

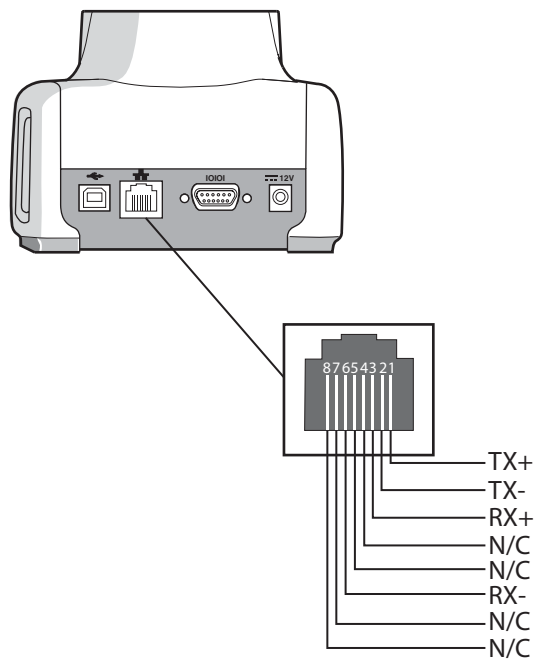


**Electrical Requirements:**  
 --- 12V, 4A  
 Requires Intermec AC power supply  
 ~100 to 240V, 50-60 Hz

## Specifications

## Ethernet Port Pinouts

Use this pinout if you want to make your own Ethernet cable.



## What is the AD1?

The AD1 1-Bay Communications Dock (P/N 225-709-XXX) is an accessory for the CK30 and CK31 Handheld Computers. You can use the AD1 to:

- power the CK30 or CK31.
  - charge the battery while it is in a CK30 or CK31.
  - transfer data and applications using RS-232 serial communications.
  - transfer data and applications through a 10BaseT/100BaseTX Ethernet connection.
  - transfer data and applications through a USB (universal serial bus) Type B connection.
- This guide explains how to install and use the AD1.

### What You Need

To use the AD1, you need:

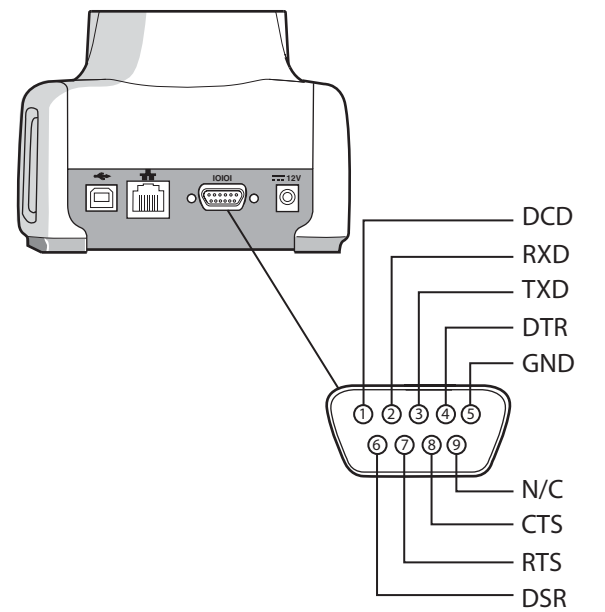
- an AC power supply.
  - an AC power cord.
- You need to purchase the appropriate power cord and power supply for your location. For more information, contact your Intermec sales representative.

**You must use the appropriate Intermec power supply with this device or equipment damage may occur.**



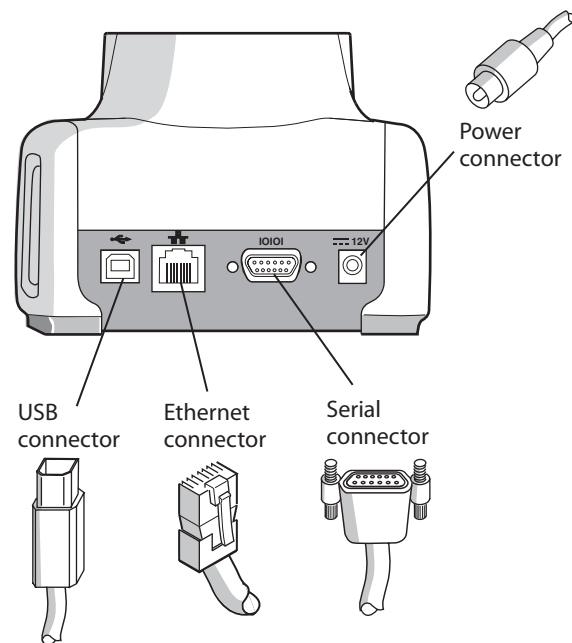
## Serial Port Pinouts

Use this pinout if you want to make your own serial cable.



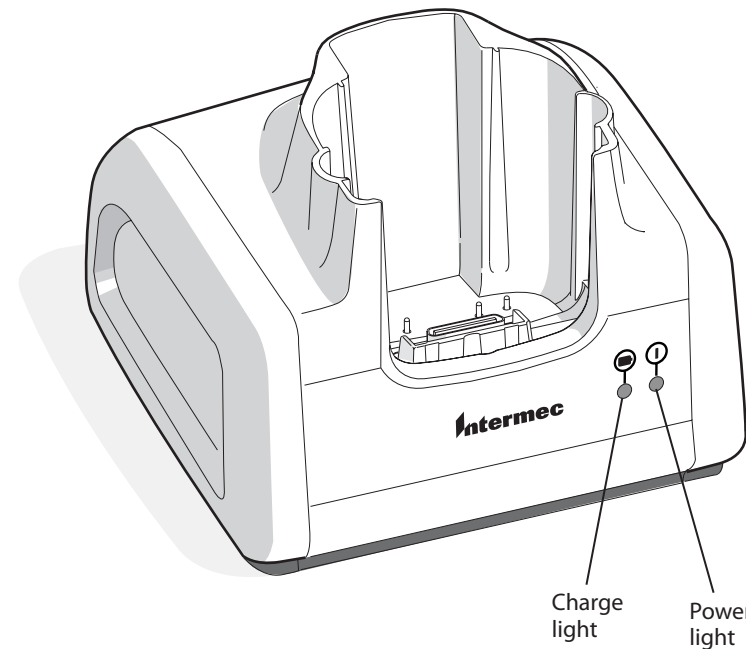
## Installing the AD1

- 1 Place the AD1 on a flat, stable, and clean surface that is within 1.5 m (5 ft) of an AC power outlet.
- 2 Connect the AC power supply to the power connector on the back of the AD1, and then connect the power supply to an AC power outlet. The yellow Power light turns on. The AD1 is now ready to charge a battery in a CK30 or CK31. The AD1 fully charges the battery in 3 hours.
- 3 (Optional) Connect one or more of the following communications cables:
  - RS-232 serial cable
  - 10BaseT/100BaseTx Ethernet cable
  - USB Type B cable



- 4 Connect the other end of the communications cable to your network.
- 5 Place the CK30 or CK31 in the AD1 communications dock.

## Understanding the Lights



This table explains the different colors of the Charge and Power lights.

Light	Color	Description
Charge	Off	The AD1 is not receiving power. Make sure the power supply is connected properly.
	Flashing green	The battery is charging.
	Steady green	The battery is fully charged.
	Flashing red	The battery is not charging. Try these solutions: <ul style="list-style-type: none"> <li>• Make sure that the battery is firmly installed in the CK30 or CK31.</li> <li>• Make sure that the CK30 or CK31 is firmly inserted in the bay.</li> <li>• Make sure the power supply is connected properly to a powered AC outlet.</li> <li>• Make sure the charging pins on the AD1 and the battery contacts on the battery are clean.</li> </ul>
Power	Off	The AD1 is not receiving power. Make sure the power supply is connected properly.
	Steady yellow	The AD1 is connected to AC power and is ready to use.

## Configuring Ethernet Communications

If you are using a USB or serial cable, you do not need to set any communications parameters on the CK30 or CK31. Ethernet communications are available on the CK30A model only and on the CK31. If you are using an Ethernet communications cable, you need to configure the CK30A or CK31 to communicate through the Ethernet port. You need to set these Ethernet parameters.

If you have a DHCP server:

- DHCP enabled
- If you do not have a DHCP server:
- IP address
  - Subnet mask
  - Default router

If required for your network, you may also need to set these parameters on each CK30A or CK31:

- Primary and secondary DNS servers
- Primary and secondary WINS servers

Ask your network administrator for the parameter values you should set. For help configuring the CK30A, see the *CK30 Handheld Computer User's Manual* (P/N 073528). For help configuring the CK31, see the *CK31 Handheld Computer User's Manual* (P/N 075207).

### To configure the CK30A

- 1 Press the **Power** (⏻) key to turn on the CK30A.
- 2 Press the green **□** key, and then press the orange **■** key to open the System Main menu.
- 3 Select **Configuration Utility > Communications > Ethernet > IP Settings** and configure the Ethernet parameters.
- 4 Save your changes, and press **Esc** until you exit the System Main menu.
- 5 Press and hold the **Power** key for 5 seconds to warm boot the CK30A.

### To configure the CK31

- 1 Press the **Power** (⏻) key to turn on the CK31.
- 2 From the **Start** menu, tap **Intermec Settings**.
- 3 Tap **Communications > Ethernet > IP Settings** and configure the Ethernet parameters.
- 4 Save your changes, and then exit Intermec Settings.
- 5 Press and hold the **Power** key for 5 seconds to warm boot the CK31.

## Where to Find More Information

You may need additional information when working with the AD1 and CK30 or CK31 in a data collection system. Please visit our web site at [www.intermec.com](http://www.intermec.com) to download our current manuals (in PDF).

### Patent Information

Product is covered by one or more of the following patents: 5,052,943; 5,195,183; 5,317,691; 5,331,580; 5,544,010; 5,644,471. There may be other U.S. and foreign patents pending.