Introduction

This guide covers the basic installation and configuration of your IOLAN. It is intended for system administrators.

The following are the steps needed to setup the IOLAN.

1. Verify that you have all the required parts
2. Setup the hardware
3. Power on the IOLAN
4. Configure the IOLAN

For detailed information, please refer to the IOLAN User's Guide for your model.

Components

What's In the Box

- The IOLAN
- Power cable (AC models only)
- A Quick Start Guide (this document)
- Warranty Card
- Administration cable (consisting of an RJ45-->DB9F adapter and a 3' RJ45 cable)
- Rack mount kit
- A CD-ROM containing documentation and firmware required to configure and operate the IOLAN
- Adapter kit (SCS models only)

What You Need to Supply

- Serial cable(s) to connect your serial devices to the IOLAN
- An Ethernet 10/100/1000BASE-T cable to connect the IOLAN to the network

Hardware Setup

Connecting Serial Devices

Please refer to the pin-out table for your model, and ensure you have the appropriate cable for connecting your serial device to one of the RJ45 serial ports on the IOLAN.

Pinout	EIA-232	EIA-422	EIA-485 Full Duplex	EIA-485 Half Duplex
1 (in)	DCD			
2 (out)	RTS	TxD+	TxD+	DATA+
3 (in)	DSR			
4 (out)	TxD	TxD-	TxD-	DATA-
5 (in)	RxD	RxD+	RxD+	
6	GND	GND	GND	GND
7 (in)	CTS	RxD-	RxD-	
8 (out)	DTR			

If your model is a Cisco/Sun model;
EIA-232 --> SCS8C, SCS16C, SCS32C, or SCS48C
EIA-232/422/485 --> SDS8C, SDS16C or SDS32C
please refer to the following pin-out table.

Pin	EIA-232 Admin	EIA-232	EIA-422	EIA-485 Full Dup.	EIA-485 Half Dup.
1	DCD	RTS	TxD+	TxD+	DATA+
2	RTS	DTR			
3	DSR	TxD	TxD-	TxD-	DATA-
4	TxD	GND	GND	GND	GND
5	RxD	GND	GND	GND	GND
6	GND	RxD	RxD+	RxD+	
7	CTS	DSR			
8	DTR	CTS	RxD-	RxD-	

Connecting the LAN

Connect the IOLAN to the HUB or Switch that will provide the network connectivity.

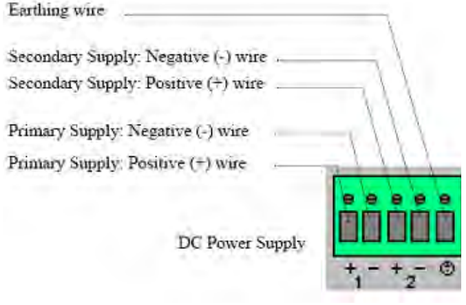
Connecting the Power

AC Units

Plug the supplied AC power cord into the power source. Dual power units will operate correctly with either or both power supplies connected to a power source.

DC Units

DC units can be powered by a single or dual DC source.



Powering On Cycle

When the power is connected to the IOLAN, the Power/Ready LED will cycle through several sequences and will end in a solid green once the unit is fully booted and ready to be configured.

If the LED is not solid green after two minutes, refer to the User's Guide for help identifying the reason.

LED Guide

Power/Ready—(Green/Yellow/Red)

- **Green**
  - Solid = System Ready
  - Flashing = System is booting or dip switch is in console mode
- **Yellow**
  - Flashing = Booting
- **Red**
  - Error condition (refer to the User's Guide for details)

Link/10/100/1000

- **Green**—10 or 100 Mbits
- **Yellow**—Gigabit
- **Off**—No LAN connection

Activity—Flashes for LAN RX/TX activity

- **Tx**—Flashes with transmit serial activity
- **Rx**—Flashes with receive serial activity

Configuring the Unit

The CD_ROM provided with your IOLAN includes software for configuring the unit. This software is designed for use on a Windows Operating System. For other Operating Systems, please refer to the IOLAN User's Guide for methods of configuring the IOLAN.

1. Insert the CD-ROM into the PC.

   It should launch automatically. If it does not launch, open Windows Explorer and point to the CD-ROM Drive. Double click on the index file to launch the main page.

2. From the main page, select the Easy Config Wizard to launch the configuration wizard or alternatively, install the DeviceManager software and use it to configure the IOLAN.

Default admin Password

You will be prompted by the software for the **admin** user password before being allowed to configure the IOLAN.

The factory default password for the admin user is:

`superuser (case sensitive)`

You should change the admin password to restrict unauthorized access to the IOLAN.

For additional methods of configuring your IOLAN (i.e., HTTP, Telnet, SNMP), please refer to the IOLAN User's Guide.

Registering the IOLAN

You should register IOLAN online at:

http://www.perle.com/support_services/warranty_reg.asp

Perle offers free technical support to Perle Authorised Distributors and Registered Perle Resellers.

To access technical support, please visit the Perle website at www.perle.com/support.

Here you will find:

- *latest drivers and firmware updates for download*
- *technical tips*
- *frequently asked questions*
- *documentation*
- *configuration support*
- *cabling information*
- *maintenance contract information*
- *and much more...*

If you are unable to find the information you require, please feel free to contact our technical support teams by email at:

USA
Email: ptac@perle.com
Europe
Email: ptacemea@perle.com
Asia
Email: ptacasia@perle.com
Internet
www.perle.com/support_services

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IOLAN

Rack Mount

Quick Start Guide

- Advanced serial to Ethernet connectivity
- Universal, software selectable EIA-232/422/485 interface (SDS models only)
- Gigabit Ethernet
- 15 KV ESD protection
- Next Generation IP support (IPV6)