IOLAN SCG
Quick Start Guide

The IOLAN SCG gives you a way to access serial devices remotely from anywhere there is a network connection.

This guide covers basic installation and configuration and is intended for first time setup or product evaluation.

Complete details can be found in the following guides at
www.perle.com/downloads.

- IOLAN User's Guide V5.0 and greater
- IOLAN (CLI) Command Line Interface Reference Guide V5.0 and greater
- IOLAN SCG Hardware Installation Guide

IOLAN SCG Models

All IOLAN SCG models have the following basic hardware set.

- 16/32/48 RS232 RJ45 ports (depending on the model ordered)
- An RJ45, auto-sensing Ethernet 10/100/1000 Mbps port
- 1 Micro-USB and 1 RS232 RJ45 Console Admin Port

What's in the box?

The following components are included with your product:

- ✓ IOLAN SCG Chassis: 1U-tall (1.75 inch), rack-mountable chassis with 16/32/48 RS232 RJ45 ports
- ✓ AC power cable
- ✓ Quick Start Guide (this guide)
- ✓ Rack mount kit
- ✓ 1 meter CAT5 straight-through patch cable
- ✓ Adapter to convert from Cisco (RJ45) pin-out to DB9F
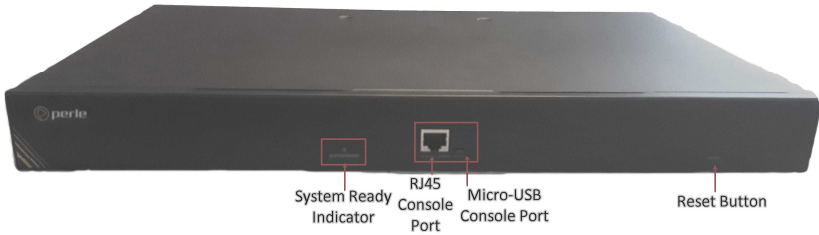
What You Need to Supply

Before you can begin, you need to have the following:

- A serial cable(s) to connect serial devices to your IOLAN unit

- An Ethernet CAT5e 10/100/1000BASE-T cable to connect the IOLAN unit to the network
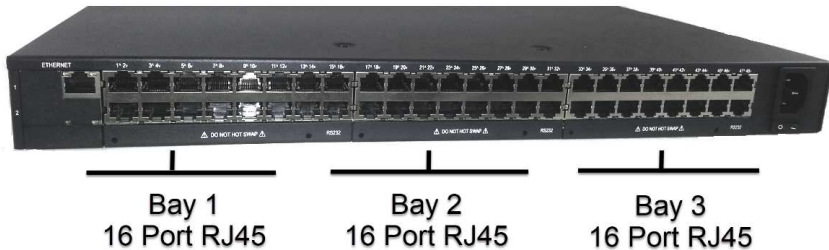
Hardware Features

SCG Front View

System Ready Indicator   RJ45 Console Port   Micro-USB Console Port   Reset Button

SCG Back View

IOLAN SCG48
(Shown)

Bay 1
16 Port RJ45

Bay 2
16 Port RJ45

Bay 3
16 Port RJ45

Configuring the Unit

The IOLAN SCG features several different configuration methods (i.e. HTTP, Telnet, SNMP) as well as an external Windows based Utility (DeviceManager). For the most up to date documentation on any IOLAN SCG features please refer to the Perle website at **www.perle.com**

Initial Setup for the IOLAN SCG

1. Connect power to the IOLAN SCG.
2. Connect an Ethernet cable to the IOLAN SCG, then to your network.
3. Establish a session or connect using the DeviceManager and set an IPv4 address.
4. Connect Serial Devices.

Connecting the Power

When the power is connected to the IOLAN, the System 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, see the IOLAN SCG Hardware Installation Guide for more information.

Connecting Ethernet

Connect the LAN cable from the Ethernet connector on the back of the IOLAN SCG to your network. An Cat5e cable is recommended for 1000 Mbps connections.
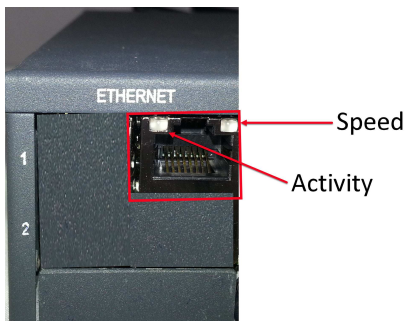
Speed Indicator (on Ethernet Connector)

- **Green**—1000 Mbps (flashes with activity)
- **Orange**—100 Mbps (flashes with activity)
- **Off**—No LAN connection

Activity Indicator

- **Off**—No serial activity
- **On**—Tx/Rx flashes with transmit/receive serial activity

Setting an IPv4 address

1. Install the Perle DeviceManager software to your laptop or PC.
2. Start the DeviceManager program from installed programs.
3. Under the DeviceManager menu, select **File**, then select **Connect to**.
4. Your IOLAN will show as Unconfigured in the list.
5. Select your IOLAN from the list and select the **Assign IP** button.
6. Assign a valid IP address to the IOLAN that is on your network.
7. You will be prompted by the software for the admin password before being able to connect and configure the IOLAN (**superuser** (case sensitive)).
8. You should change the admin password to restrict unauthorized access to the IOLAN.
9. You will need to reboot the IOLAN SCG using the power switch on the back of the unit to have the new IP address take effect.

Connecting the Serial Device

Connect devices, workstations, servers or routers using a straight through serial cable. Should your environment need to use rolled cables, the IOLAN software provides that ability through software configuration. See the IOLAN User's Guide V5.0 and greater for more information.

Registering the IOLAN

You should register your IOLAN online at:

www.perle.com/support_services/warranty_reg.asp

Contacting Technical Support

Contact information for the Perle Technical Assistance Center (PTAC) can be found at the link below.

www.perle.com/support_services/support_request.shtm