



IOLAN SCR1618 RDAC

Quick Start Guide

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 SCR User's Guide
- IOLAN SCR Command Line Reference Guide
- IOLAN SCR1618 RDAC Hardware Installation Guide

What's in the box?

- IOLAN SCR Chassis
 - ✓ 16 RS232 RJ45 Ethernet ports
 - ✓ 16 RS232 serial RJ45 ports
- Quick Start Guide (this guide)
- Rack Mount Kit

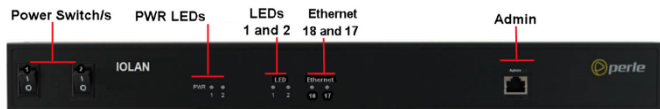
What's you need to supply

- Serial cables to connect serial devices to your IOLAN
- Ethernet CAT5e 10/100/1000BASE-T cables to connect Ethernet devices to your IOLAN

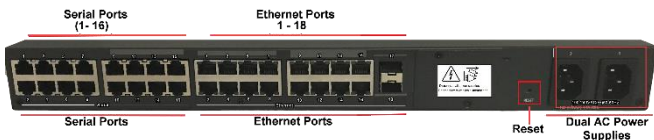
Setting up the IOLAN SCR

1. Connecting dual or single power to the IOLAN SCR.
2. Configuring the IOLAN SCR.
3. Connecting Ethernet devices.
4. Connecting Serial devices.

SCR Front View



SCR Back View



LEDs

PWR 1 (Power 1)	Solid green	Power available for this power supply
PWR 2 (Power 2)	Solid green	Power available for this power supply
	Off	No Power connected
	Off	No Power connected
LED1	Solid green	System is ready for Normal Operation
	Flashing green	No startup-config
LED2		No valid IP health configured or active
	Solid green	WAN high-availability mode = Failover Wan failover interface with the highest priority (primary) is ACTIVE
		WAN-high-availability mode = Load-share All load-sharing WAN interfaces are ACTIVE
	Blinking green	All interfaces with IP health configured, are active
Ethernet 17 / SFP	Solid green or flashing	Link up / Link activity
Ethernet 18 / SFP	Solid green or flashing	Link up / Link activity

Connecting the Power

Connect 1 or 2 power to power sources. Once power is connected, the IOLAN will cycle through several sequences. The LED 1, PWR 1 and 2 will show solid green when the IOLAN is fully booted and ready to configure. If dual power is used, then both PWR LEDs and LEDs 1 and 2 will be lit.

Setup Mode

Setup Mode provides a simple method of doing an initial setup from a PC. Your IOLAN is shipped in factory default mode. Setup Mode can also be accessed through the console port; see your IOLAN SCR1618 RDAC Hardware Installation Guide for more details.

1. Complete the Connecting the Power step.
2. Set your PC to obtain an IP address automatically using DHCP.
3. Plug your PC into any of the IOLAN's Ethernet ports (located on the back of the unit).
4. Use a standard web browser to enter <http://192.168.0.1> to access your IOLAN.

On the setup screen, select, Getting Started.



5. Once connected, fill in the required fields, apply changes to save and exit. The configuration changes are immediately applied to the IOLAN.
6. The IOLAN's web configuration sign-on screen is displayed. Using the credentials you previously defined in Step 4, you can now access your IOLAN's full configuration.

Connecting Ethernet Devices

The Ethernet RJ45 ports provide the standard Ethernet interface speeds of 10/100/1000 Mbps. By default, all 10/100/1000 Ethernet ports will automatically set themselves up to match the speeds of attached devices.

Ethernet Port



Left Hand	Right Hand	Description
N/A	Amber	1000 Mbps/flashes with activity
Amber	Green	100 Mbps/flashes with activity
Green	N/A	10 Mbps/flashes with activity
Off	Off	No Lan connection

Connecting Serial Devices

Connect devices, workstations, servers or routers using a straight through serial cable.

Pin 1



RJ45 Socket

Pinout	Direction	EIA-232
1	in	CTS
2	in	DSR
3	in	RxD
4		GND
5		GND
6	out	TxD
7	out	DTR
8	out	RTS

SFP Ports

The following SFPs are supported – 1 Gbps fiber, 2.5 Gbps fiber and SGMII copper.

Connecting the Fiber

Ensure that the cable implements the proper TX to RX crossover. Once the device is connected and the link is established the corresponding SFP LED will turn green.

