

Introduction

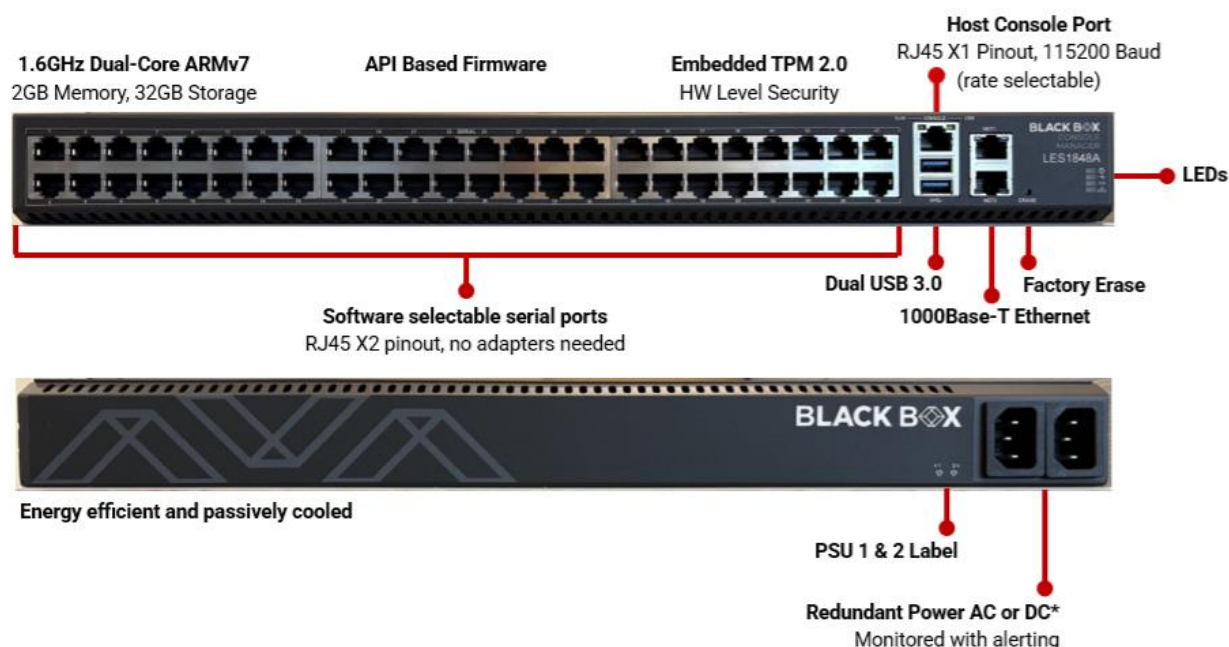
This Quick Start Guide covers basic installation, configuration, and local operation of the following Console Servers:

- LES1816A
- LES1832A
- LES1848A

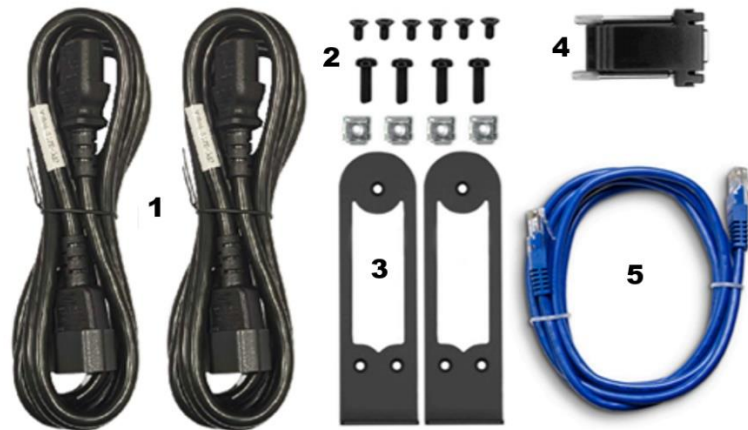
For more detailed information, see the User Guide.

What's in the Box?

Console server



Contents



Label	Item	Quantity
	Console server device	1
1	IEC power cables	2
2	Rack mount screw kit	1
3	Rack ears	2
4	RJ45 to DB9F rollover serial adapter	1
5	CAT5e RJ45 UTP straight cable- 5ft/1.5m	1

Connect the Hardware

1. Using the included power supply, plug the power cable into the console server and connect to a power source.
2. Connect the NET1 port on the console server to your network.
3. Connect your serial devices to the serial ports on the console server.
4. Turn the power on.

Set up the Console Server

1. With a computer on the same LAN as the console server, browse to 192.168.0.1 (Subnet Mask 255.255.255.0).

The DHCP client on the console server is enabled by default, so the console server automatically accepts any network IP address assigned by any DHCP server on your network.

2. Log in with the default credentials, then click **Submit**:

- a. **Username:** root
- b. **Password:** default

A Welcome screen listing the basic configuration steps displays.

3. Change the default root system password:
 - a. Select **System > Administration**.
 - b. Enter and confirm a new **System Password**.
 - c. Click **Apply**.
4. Change IP settings:
 - a. Select **System > IP**.
 - b. Select **Network Interface**.
 - c. Under **Configuration Method**, select **DHCP** or **Static**.
DHCP is selected by default.
5. To activate broadband failover/OoB refer to the User Guide, otherwise leave **Failover Interface** as the default selection, **None**.
6. To use NET2 as the management LAN gateway:
 - a. Select **System > IP**.
 - b. Select **Management LAN Interface**.
 - c. Uncheck **Disable**.
 - d. Enter the **IP address** and **Subnet Mask** for this segment of the Management LAN (leave the Gateway and DNS fields blank).
If you want to enable the DHCP server, see the User Guide.
7. Configure the console server and connected devices:
 - a. Select **System > Services**.
This is accessible by the Administrator.
 - b. Select the services to enable.
HTTPS and SSH access are enabled by default, and HTTP and Telnet are disabled by default.
You can also configure related service options such as SNMP (the netsnmp service is disabled by default) or set up a tftp server on the USB flash card to store transaction logs, etc.
 - c. Click **Apply**.

Configure Serial and Network Devices

1. Select **Serial & Network > Serial Port**.
A list of serial ports displays with current settings for labels, modes, and parameters for each serial port.
By default, all serial ports are set to Console mode.
2. To modify a serial port, click **Edit** next to the port.
 - a. Configure the **Common Settings** as required: **Baud Rate**, **Parity**, **Data Bits**, **Stop Bits**, and **Flow Control**.
 - b. Configure the port connection settings as required: **Telnet**, **SSH**, **TCP**, and **RFC2217**.

- c. If required, set a **Logging Level** to specify the level of information to log and monitor for each port.
 - d. Click **Apply**.
3. To enable access through the console server to a locally networked computer:
 - a. Select **Serial & Network > Network Hosts**.
 - b. Click **Add Host**.
 - c. Enter the **IP address/DNS Name** of the host.
 - d. You can also specify the level of information to log and monitor for each host access.
 - e. Click **Apply**.

Add Users and Groups

Add New User

Note: You should create a new administrative user in the **admin** group and login as this new user for all administration functions (instead of root).

1. Select **Serial & Network > Users & Groups**.
2. Click **Add User**.
3. Enter a username.
4. Enter and confirm a password.
5. Under **Groups**, select the checkboxes for each group to which the user belongs.
To grant limited access to the Management Console, select the **user** group.
To grant full access to the Management Console, select the **admin** group.
6. Choose the **Accessible Hosts** and **Accessible Ports** the user is allowed to access.
7. Click **Apply**.

Add New Group

1. Select **Serial & Network > Users & Groups**.
2. At the end of the list of existing groups, click **Add Group**.
3. Enter a new group name in the **Groups** field.
4. Select any appropriate **Roles, Hosts, Ports**, and **RPC outlets**.
5. Click **Apply**.

Access Device Consoles

Your console server is now ready to access device consoles on your network, depending on the protocols you chose in [Configure Serial and Network Devices](#).

Protocol	Description
SSH	- To connect to the pmshell chooser menu, SSH to the console server and log in. Append <i>:serial</i> to your username, e.g. <i>root:serial</i>. - To connect to a given console, SSH to the console server and log in. Add the port number or port label to your username, e.g. <i>root:port02</i> or <i>root:MyRouter</i>. - To connect directly to a given port, SSH to the console server at TCP port 3000 + the port number, e.g. 3002 for serial port 2.
Telnet	Telnet to the console server at TCP port 2000 + the port number, e.g. 2002 for serial port 2.
Web Terminal:	For console access using your browser, click Manage > Devices > Serial and click the Web Terminal link for the port.