opengear

Operations Manager 2200

Includes: OM2216, OM2248, OM2248-10G, OM2248-L,
OM2248-10G-L, OM2224-24E,
OM2224-24E-L, OM2224-24E-10G-L

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1. REGISTER

This Quick Start Guide covers basic installation and configuration of your new OM2200. For in-depth guidance, consult the OM2200 User Manual.

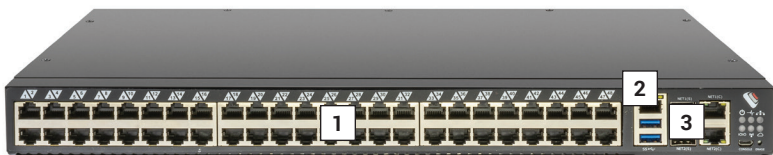Register your product: https://opengear.com/product-registration

When you register, you:
- Activate your warranty
- Get notified when firmware updates are released

For licensing information and access to source code, visit:
  https://opengear.com/software-licenses

2. WHAT'S IN THE BOX?

1. Serial Ports   2. Local Console*   3. NET1 & NET2
*Console Ports Micro USB/RJ-45

For the complete list of what's inside the box, visit:
https://opengear.com/products/om2200-operations-manager/#inside

Some parts may vary.

3. ASSEMBLE

NOTE: **OM22xx** models have two SFP/Ethernet Gigabit labeled **NET1** and **NET2**. **OM22xx-10G** models have SFP+ 10 gigabit connection labeled **NET1** and SFP/Ethernet labeled **NET2**.

Connect to a computer or into your network from any **NET** port for initial configuration.

For -L models, attach the included antennas or external mount to the **CELL (Main)** and **CELL (Aux)** connectors. If you have a data plan, insert a carrier-provided mini-SIM into the first SIM CARD slot with contacts facing upward. You should hear a click when it is correctly inserted.
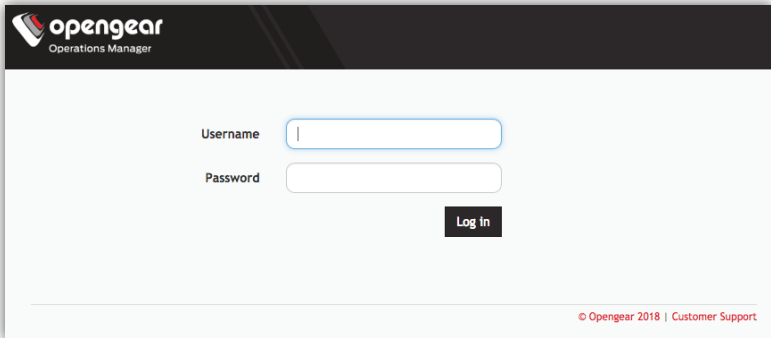
Connect other devices to the serial and USB ports.

Plug in the two 12V AC power supplies.

4. LOG IN

Browse to **192.168.0.1** (subnet mask 255.255.255.0) with a computer on the same LAN as the console server. The device will also get a DHCP address.

NOTE: The device has a self-signed SSL certificate. Untrusted connection errors appear. Click through the errors to the login page.
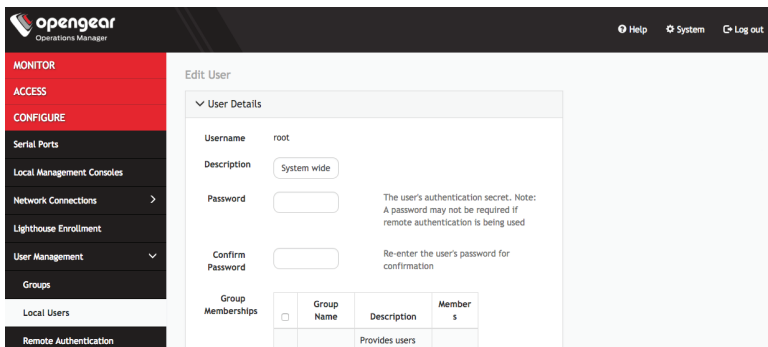

Log in with username **root** and password **default**. Click **Submit**.

The ACCESS > Serial Ports page appears with a list of connected serial devices and links to a Web Terminal or SSH connection for each.

5. CHANGE ROOT PASSWORD

Click **CONFIGURE > User Management > Local Users.**

Click the **Edit** button next to the root user. On the **User Details** page, enter and confirm the new password.


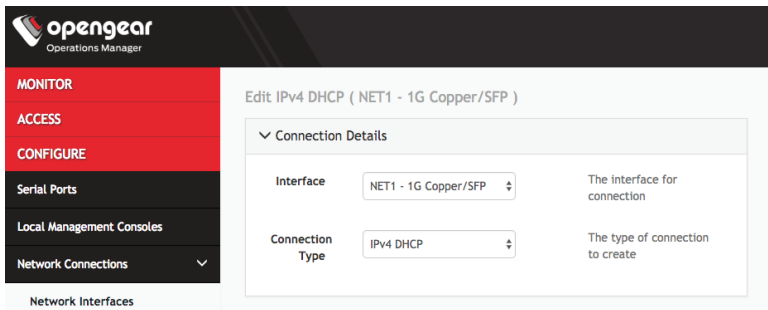Scroll to the bottom of the page and click **Save User**.

6. CHANGE IP SETTINGS

DHCP is enabled by default. To change to a static IP click **CONFIGURE > Network Connections > Network Interfaces**.

Click the **Edit** button next to **IPv4 DHCP**, to modify the DHCP setting. Change **Connection Type** and fill in the requested information in the form that appears. Click **Apply**.

7. CONFIGURE SERIAL PORTS

To change settings for individual serial ports, click **CONFIGURE > Serial Ports**. Click **Edit** next to the port you wish to modify.

You can change common settings, logging settings, and set IP aliases per serial port. Click **Apply**.

8. ADD USERS AND GROUPS

To add a new user, click **CONFIGURE >User Management > Local Users**. Scroll to the bottom of the page and click **Add User**.

Enter a **Username** and enter and confirm a **Password**. Select the appropriate groups. Check the **User Enabled** box.

Click **Save User** to create the new user account.

NOTE: You should create a new administrative user rather than continuing as the root user. To do so, add a new user to the **admin** group with full access privileges. Log out and log back in as this new user for all administrative functions.

Click **CONFIGURE > User Management > Groups**. At the end of the list of existing groups, click the **Add** button.

Enter a new **Group Name**. To control access to specific ports, change the **Role** to **Console User** and select desired ports.

Click **Save Group** to create the new group.

9. ACCESS DEVICE CONSOLES

Your console server is now ready to access device consoles on your network.

SSH:

- To connect to the pmshell chooser menu, SSH to the console server and log in appending *:serial* to your username, e.g. *root:serial.*
- To connect to a given console, SSH to the console server and login adding the port number or port label to your username, e.g. *root:port02* or *root:MyRouter.*
- 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 or SSH via the Web Interface:

For console access using your browser, click **ACCESS > Serial Ports** and click the port's **Web Terminal** link.

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- Easy to maintain user groups and permissions
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- Responsive UI designed and built for NetOps
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"Deployment is made very easy as Lighthouse learns about attached devices during node enrollment and will dynamically update itself as new devices attach."
– Network Computing Magazine Product Review – Dec 2017

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