Photon 150 Installation & Quick Start Guide
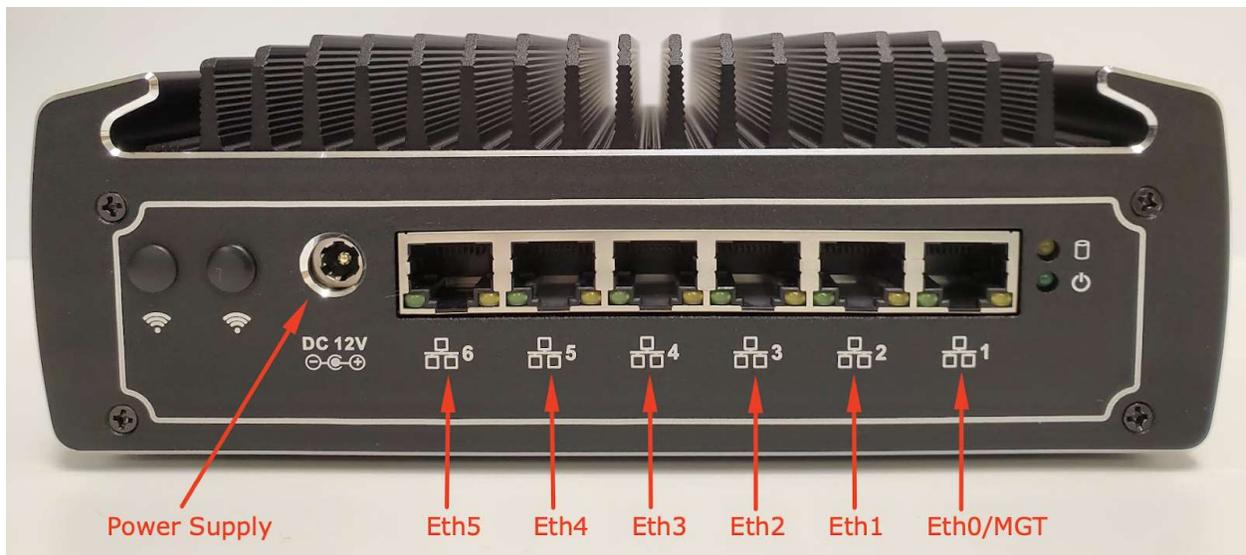
To start using the Photon 150:

- Connect power.
- Connect the Photon 150 to the network.
- Access the Photon 150.
- Change the management configuration.
- Access the Stellar Cyber GUI and authorize the sensor.

Connecting Power

To connect power to the appliance, have a licensed DC power technician:

1. Connect the included power cable to the DC power source.
2. Connect the cable to the Photon 150.
3. Press the power button.

Connecting to the Network

To connect the Photon 150 to the network:

1. Connect the management port (🔲1) to a network accessible by the DP.
2. Use the 🔲 **2..**🔲 **6** monitor ports to connect to data sources (mirror ports or taps).

Accessing the Model 150

You can access the Model 150 using any of the following techniques:
- HDMI monitor and USB keyboard
- Serial console port
- SSH to the eth0 Management port (⊞ **1**)

The HDMI, USB, and serial console ports are at the front of the appliance. The eth0 Management port is at the rear:

HDMI/USB Access

Connect an HDMI monitor to the HDMI port and a USB keyboard to one of the USB 3.0 ports.

Console Access

For console access use an RJ45 serial cable with the following settings:
- Baud: 115,200
- Flow control: none
- Data bit: 8
- Parity check: none
- Stop bit: 1

SSH Access

The default management IP address on the Photon 150 is **192.168.1.100/24**, and the default gateway IP address is: **192.168.1.1**. The default username is **aella** and the password is **changeme**.

For SSH access to the Photon 150:

```
ssh –l aella@192.168.1.100
```

Changing the Management Configuration

Change the default management configuration. From the console or an SSH session:

1. Log in with the default username of **aella** and password of **changeme**.
2. You are immediately prompted to change the password.
3. Set the host name. The host name is displayed in Stellar Cyber and should be unique for each sensor:
   ```
   set hostname <new hostname>
   ```
4. Set the management IP network parameters. If a DHCP server is available, use the following command:
   ```
   set interface management ip dhcp
   ```
5. You can also set IP parameters manually using the following commands:
   a. Change the management IP address:
      ```
      set interface management ip <new management IP address>/<netmask>
      ```
   b. Change the gateway IP address:
      ```
      set interface management gateway <new gateway IP address>
      ```
   c. Change the DNS IP address:
      ```
      set interface management dns <new DNS server IP address>
      ```
6. Confirm your changes with the `show interface`, `show gateway`, and `show dns` commands.
7. Use the **restart system** command to apply your changes:
   ```
   restart system
   ```
8. If necessary, set the proxy HTTP server:
   ```
   set proxy http://<proxy IP address:port>
   ```
9. Optionally assign the tenant (if you skip this, the sensor is assigned to Root Tenant):
   ```
   set tenant_id <Tenant ID from Stellar Cyber>
   ```
10. Use the `set cm` command to specify the IP address to reach the management interface of the Data Processor. For a DP cluster, this is the IP address of the DL-master's management interface. For a single DP deployment, this is simply the DP's management IP address. You can specify either an IP address or a hostname. For example:

    ```
    set cm 192.168.44.10
    ```

    or:

    ```
    set cm example.company.com
    ```

Accessing the Stellar Cyber GUI

To log in to the Stellar Cyber GUI, use Chrome or Firefox (the default User is **admin**, and the default Password is **changeme**):

```
https://<Data Processor Management IP Address>
```

Go to **System | Collection | Sensors** and authorize the sensor.