

CommBox Edge Pro (for DIDs starting with “EP1K”)

Quick Start Guide



The following instructions explain how to install the CommBox™ Edge Pro on your vessel and access its EdgeOS web interface. It also explains how to load a KVH turnkey configuration if one meets your vessel’s needs. Otherwise, the device is fully configurable at its web interface.

IMPORTANT!
For comprehensive configuration information, refer to the documentation at <https://kvh.scrollhelp.site/kb/>.

Kitpack Contents List

The following items are included with the Edge Pro:

- AC-DC power supply with international adapter plugs
- VELCRO® hook-and-loop tape
- Two standard Ethernet cables
- USB-to-Ethernet adapter

Note: Additional USB-to-Ethernet adapters may be purchased from KVH (part no. 19-1250-07). Adapters sold by KVH are verified to be fully compatible with the device.

Required Equipment

You will need the following items to configure the device:

- Laptop computer equipped with an Ethernet port (set up for DHCP)
- KVH configuration file downloaded to your laptop, if you will use a turnkey configuration (file provided by KVH Technical Support)

Note: KVH-certified technicians can download configuration files from the KVH Partner Portal.

Contents

Connecting Power	2
Mounting	2
Activation.....	2
Connecting to the Web Interface	3
Loading a KVH Configuration File	3
KVH Turnkey Configurations	6

Figure 1: CommBox Edge Pro



Figure 2: USB-to-Ethernet Adapter



Technical Support

Within Continental U.S.A.: 1 866 701-7103, Worldwide: +1 401 851-3806
Email: mvbsupport@kvh.com

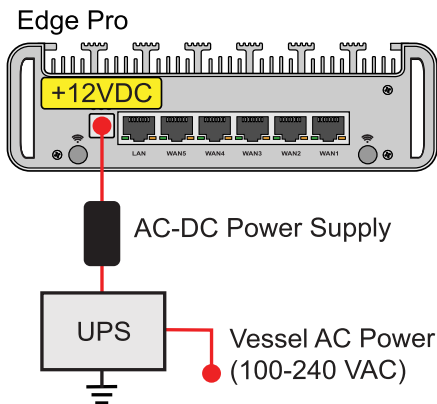
Connecting Power

The Edge Pro device runs on 12 VDC (120W max) power supplied by an AC-DC power supply. Connect this power supply to 100-240 VAC 50/60 Hz vessel power via a suitable uninterruptible power supply (UPS). Once the Edge Pro is powered up, wait 2-3 minutes for it to initialize.

IMPORTANT!

A UPS is required for vessel installation. Unstable power will cause the device to enter Safe Power Mode (off). In this mode, the device must be disconnected from power for five seconds before reconnecting.

Figure 3: Power Connection

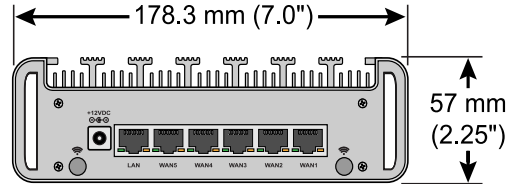


Mounting

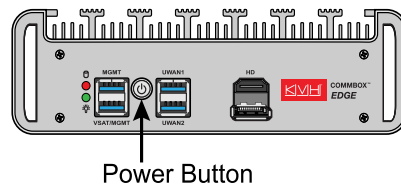
Secure the Edge Pro device to a flat surface to prevent it from shifting while the vessel is in motion. Heavy-duty VELCRO hook-and-loop tape is provided in the kit. The Edge Pro should be located in a well-ventilated area.

Figure 4: Edge Pro Dimensions

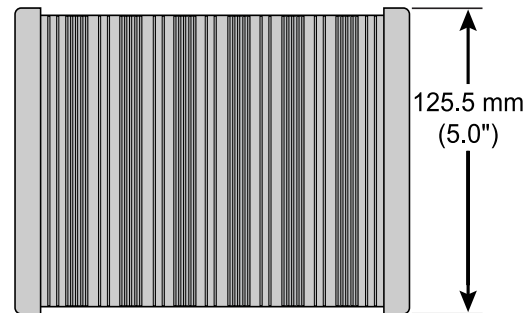
Rear View



Front View



Top View

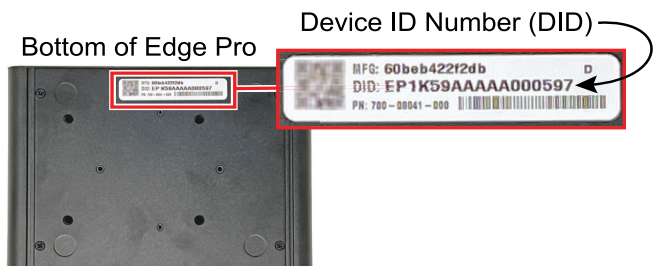


Activation

The Edge Pro must be activated for CommBox Edge Communications Gateway services. Fill out the activation order form ([available at kvh.com/activate](http://kvh.com/activate)) and email it to airtimeservices@kvh.com.

You will need the device ID number (DID) printed on the bottom of the unit to activate. You will also need to provide the email address of your network administrator who will be responsible for making any configuration changes to the device.

Figure 5: DID Location



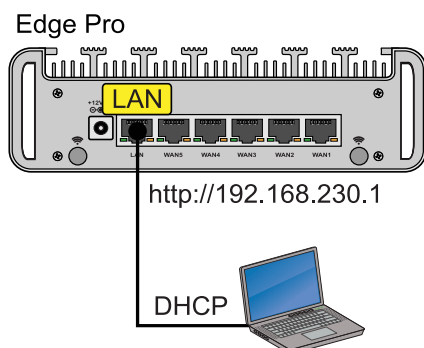
Connecting to the Web Interface

To configure the Edge Pro, you need to connect to its CommBox EdgeOS web interface.

1. If the Edge Pro is not powered on, plug it in and/or press the power button to apply power. Wait a few minutes for initialization.
2. Using a standard Ethernet cable, connect your laptop to the Edge Pro's LAN port.

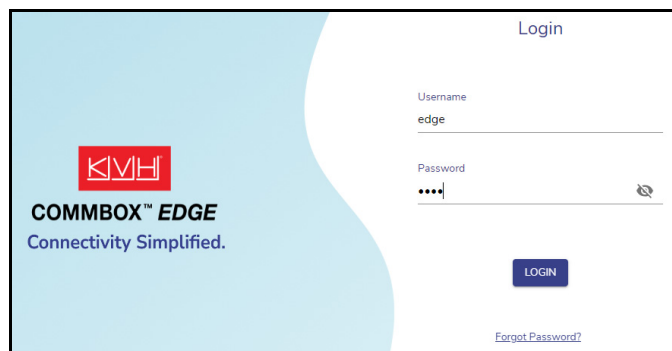
Note: As an alternative, you can connect to the FP/MGMT USB port using the USB-to-Ethernet adapter.

Figure 6: Edge Pro Laptop Connection



3. Access the CommBox EdgeOS web interface by entering **http://192.168.230.1** (or the gateway IP address) in your web browser.
4. At the login page, enter the admin credentials. The default temporary settings are:
 - Username: **edge**
 - Password: **edge**

Figure 7: EdgeOS Login Page



If you have a KVH configuration file to upload to the device, follow the steps in the next section. Otherwise, configure the device as required to meet your needs, referring to the comprehensive documentation provided at <https://kvh.scrollhelp.site/kb/>.

Loading a KVH Configuration File

If a KVH turnkey configuration will meet your needs (see “KVH Turnkey Configurations” on page 6), follow the applicable steps in this section to upload the associated configuration file, available from KVH Technical Support.

IMPORTANT!

Be sure to use a configuration file that was built for the Edge Pro or Edge 6 and not any other Edge device.

IMPORTANT!

With its new configuration, the IP address for the Edge Pro's LAN port changes to 192.168.5.1 and its admin login password changes – contact KVH Technical Support. If you need to access the web interface going forward, use this new address and password.

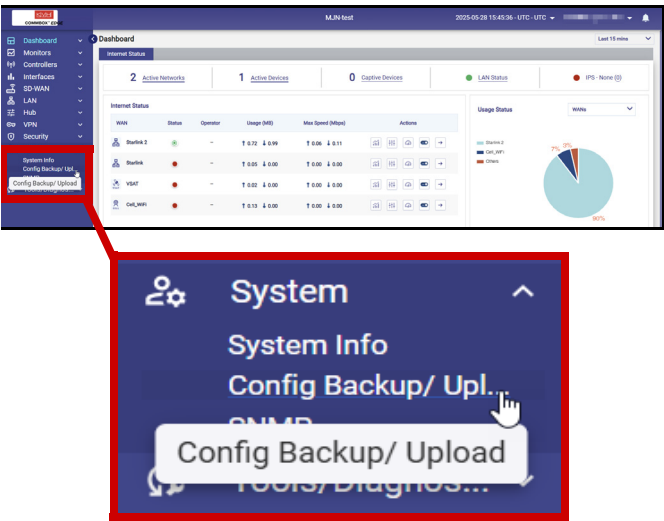
The upload process differs depending on the software version installed in the Edge device:

Version	Key Difference	Go to:
8.x or later	Menu is located in the left sidebar	Page 4
7.x or earlier	Menu is located in the upper-right corner	Page 5

Software Version 8.x or Later

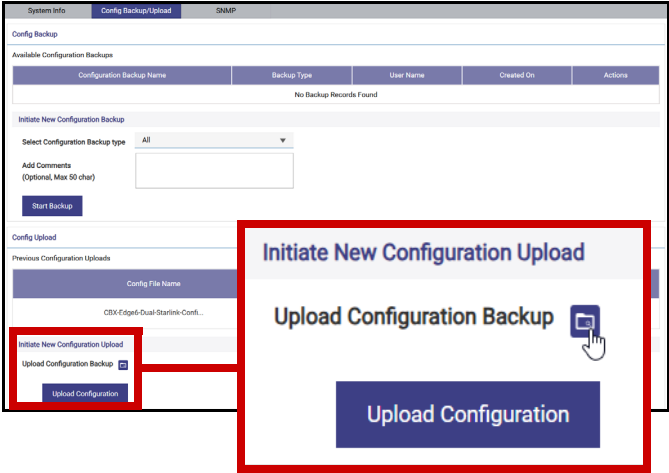
- 1. Select **System** from the menu. Then select **Config Backup/Upload**.

Figure 8: CommBox EdgeOS Menu



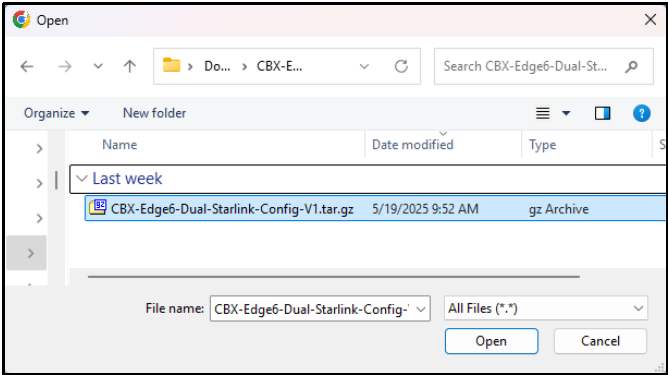
- 2. Under Config Upload, select **Upload Configuration Backup**.

Figure 9: Upload Configuration Backup



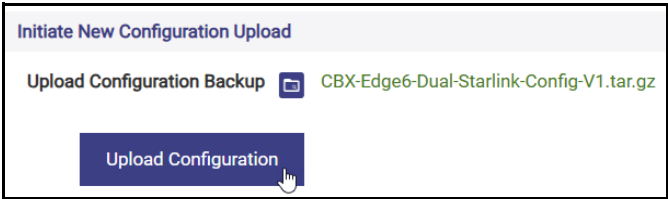
- 3. Navigate to the KVH configuration file saved on your laptop (*filename has a tar.gz extension*). Select **Open**.

Figure 10: Config File Selection



- 4. Select **Upload Configuration**. Wait one minute for the Edge Pro to upload the new configuration.

Figure 11: Upload Configuration



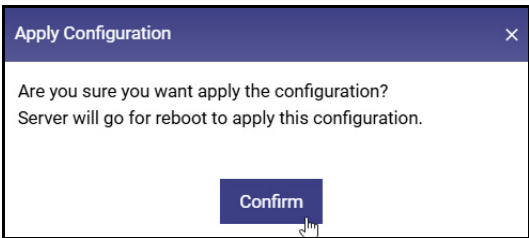
- 5. Select **Apply Configuration**.

Figure 12: Apply Configuration

Config Upload					
Previous Configuration Uploads					
Config File Name	File Type	User Name	Uploaded At	Status	Failure Reason (if applicable)
CBX-Edge6-Dual-Starlink-Conf...	All		2025-05-28 15:57:49	Apply Configuration	--

- 6. Select **Confirm**. The Edge Pro will reboot. It may take 2-3 minutes to initialize.

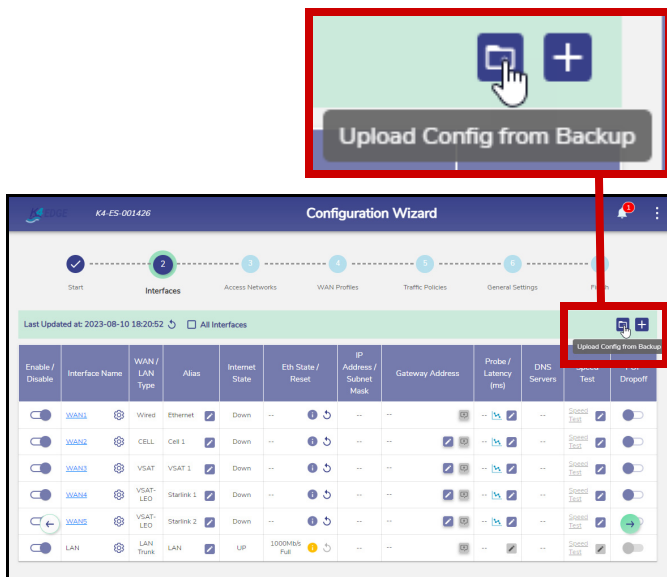
Figure 13: Apply Configuration Confirmation



Software Version 7.x or Earlier

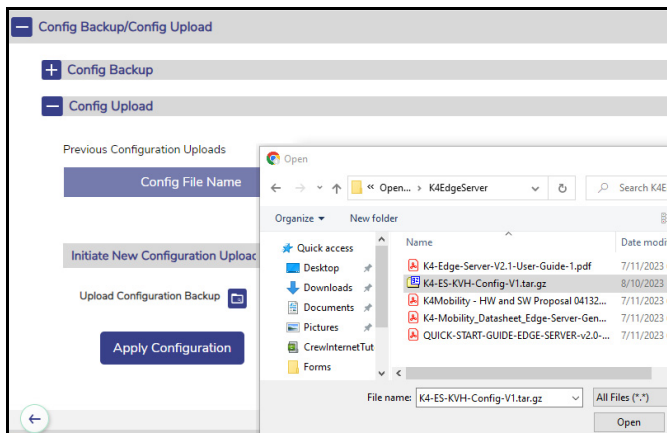
1. At the Configuration Wizard, go to the Interfaces page. Then select **Upload Config from Backup**.

Figure 14: Configuration Wizard Interfaces Page



2. Under Config Upload, select **Upload Configuration Backup**. Then navigate to the KVH configuration file saved on your laptop (*filename has a tar.gz extension*). Select **Open**.

Figure 15: Config Upload



3. Select **Apply Configuration**. Wait one minute for the Edge Pro to apply the new configuration.

Figure 16: Apply Configuration

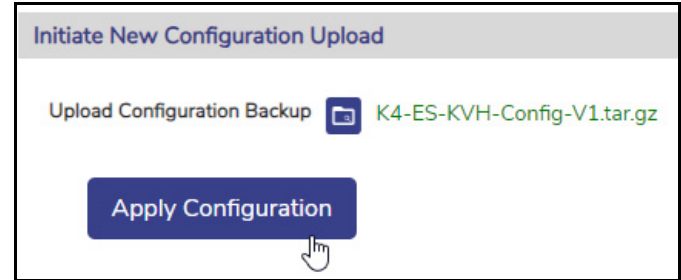
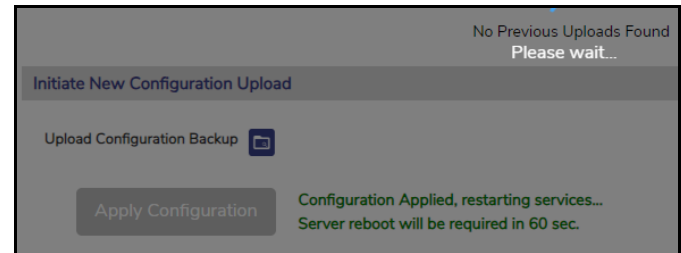


Figure 17: Applying Configuration



4. Select **Click here to Reboot**. Then select **Confirm**. The Edge Pro will reboot. It may take 2-3 minutes to initialize.

Figure 18: Reboot Edge Pro

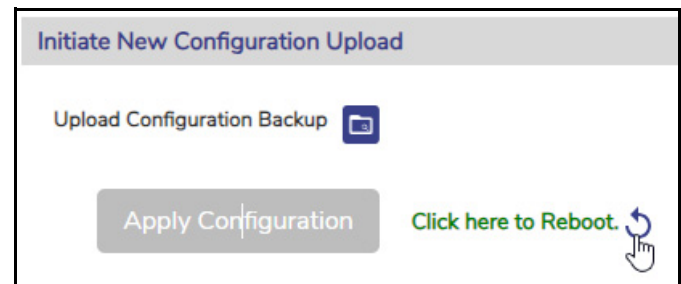
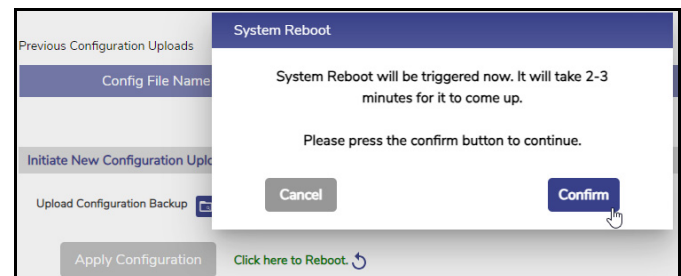


Figure 19: Confirm Reboot



Appendix A:
KVH Turnkey Configurations

KVH offers pre-built configuration files that meet the most common customer requirements. Configurations are also available for KVH OpenNet customers. If you would like to load one of these configurations to your Edge Pro, contact KVH Technical Support for the configuration file, then follow the steps in [“Loading a KVH Configuration File” on page 3](#).

Note: KVH-certified technicians can download configuration files from the KVH Partner Portal.

Network diagrams of these turnkey configurations are provided on the following pages:

Standard Configuration 7

Dual Starlink Configuration 8

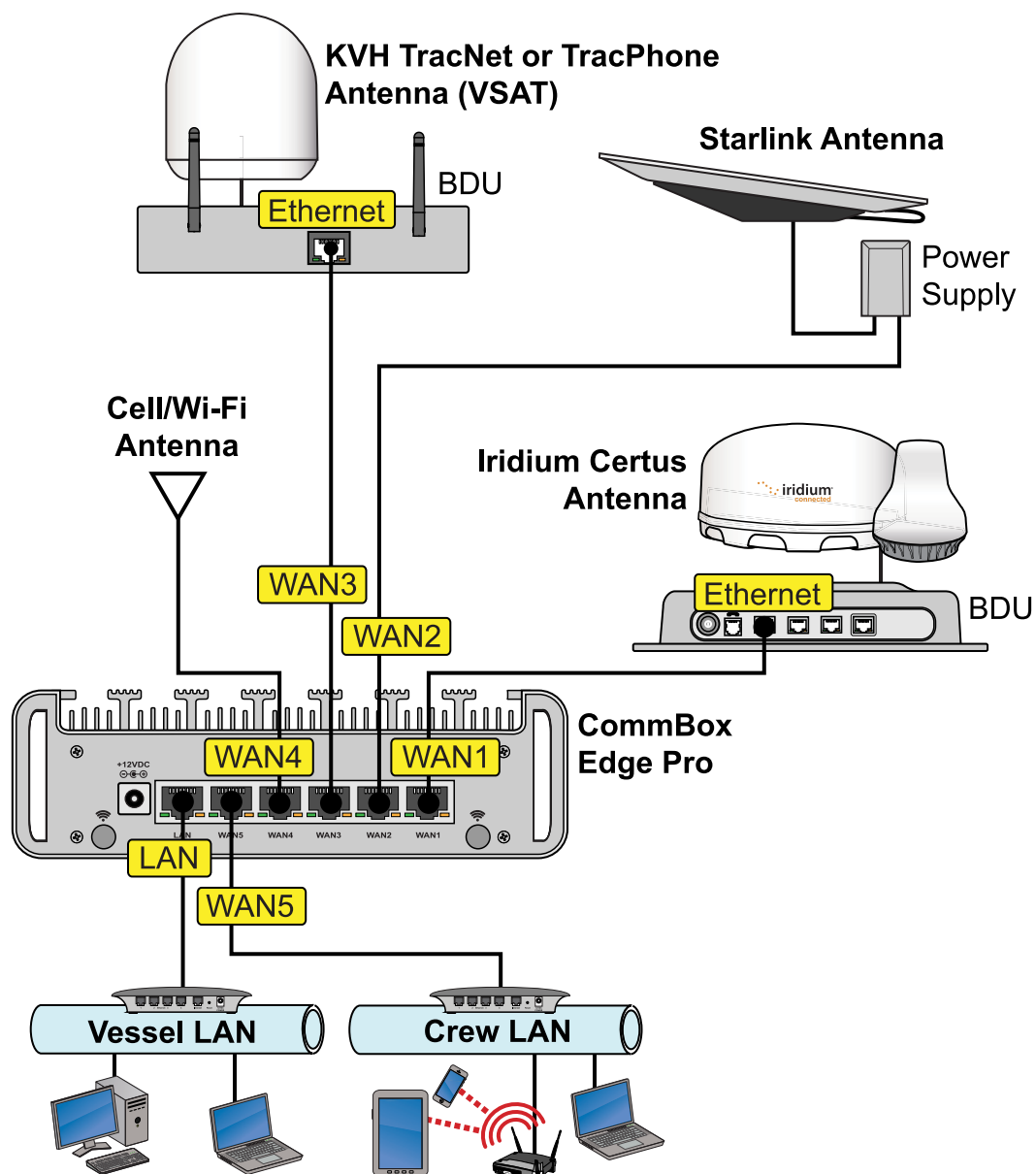
OneWeb Configuration..... 9

OpenNet Configuration for iDirect X7 Modem 10

OpenNet Configuration for iDirect iQ 200 Modem..... 11

OpenNet Configuration for MDM3315 Modem 12

Standard Configuration

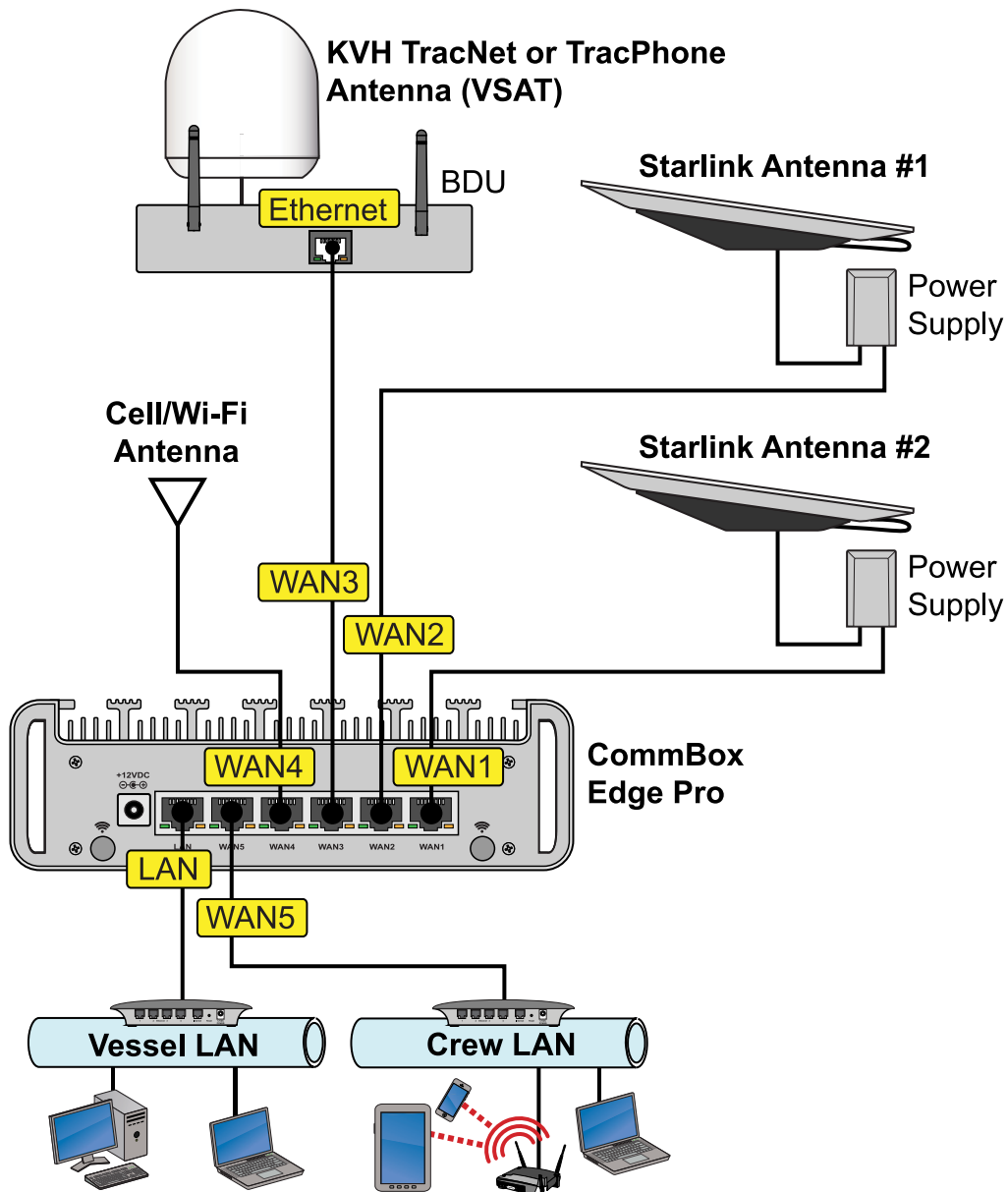


WAN Switching Priority

WAN connections are prioritized in the following order:

1. Starlink
2. Cellular/Wi-Fi
3. KVH TracNet/TracPhone (VSAT)
4. Iridium Certus

Dual Starlink Configuration

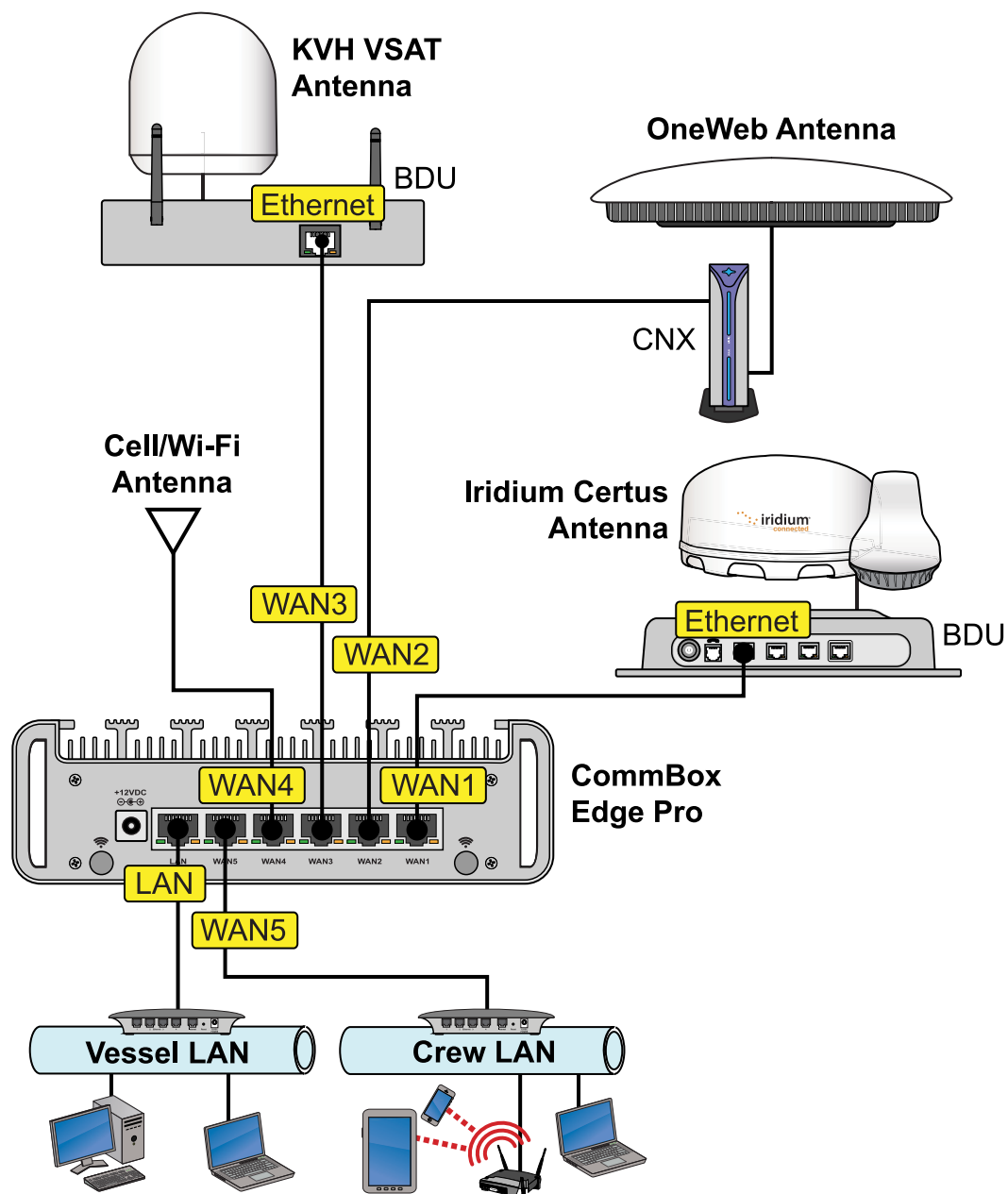


WAN Switching Priority

WAN connections are prioritized in the following order:

1. Starlink (bonded)
2. Cellular/Wi-Fi
3. KVH TracNet/TracPhone (VSAT)

OneWeb Configuration

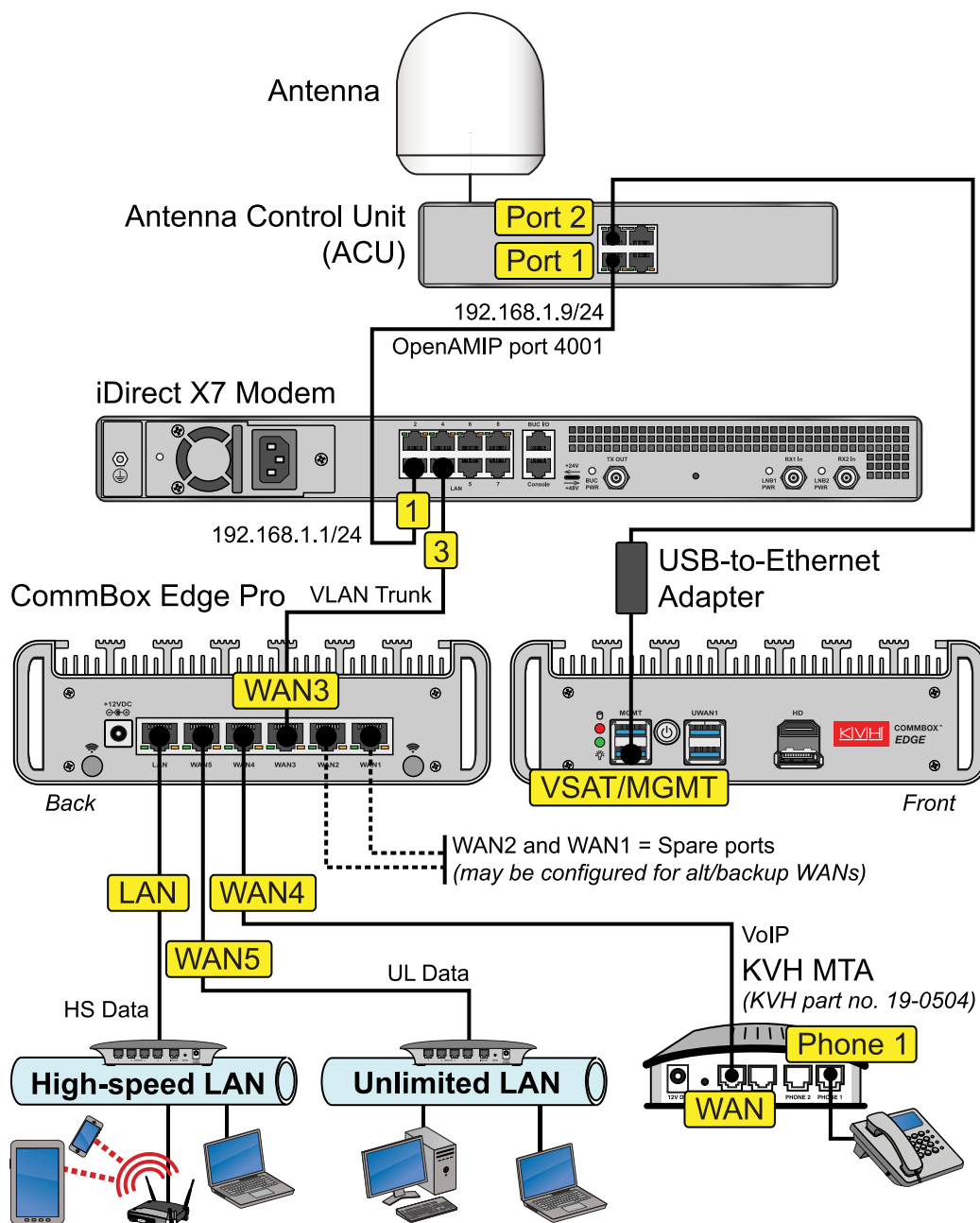


WAN Switching Priority

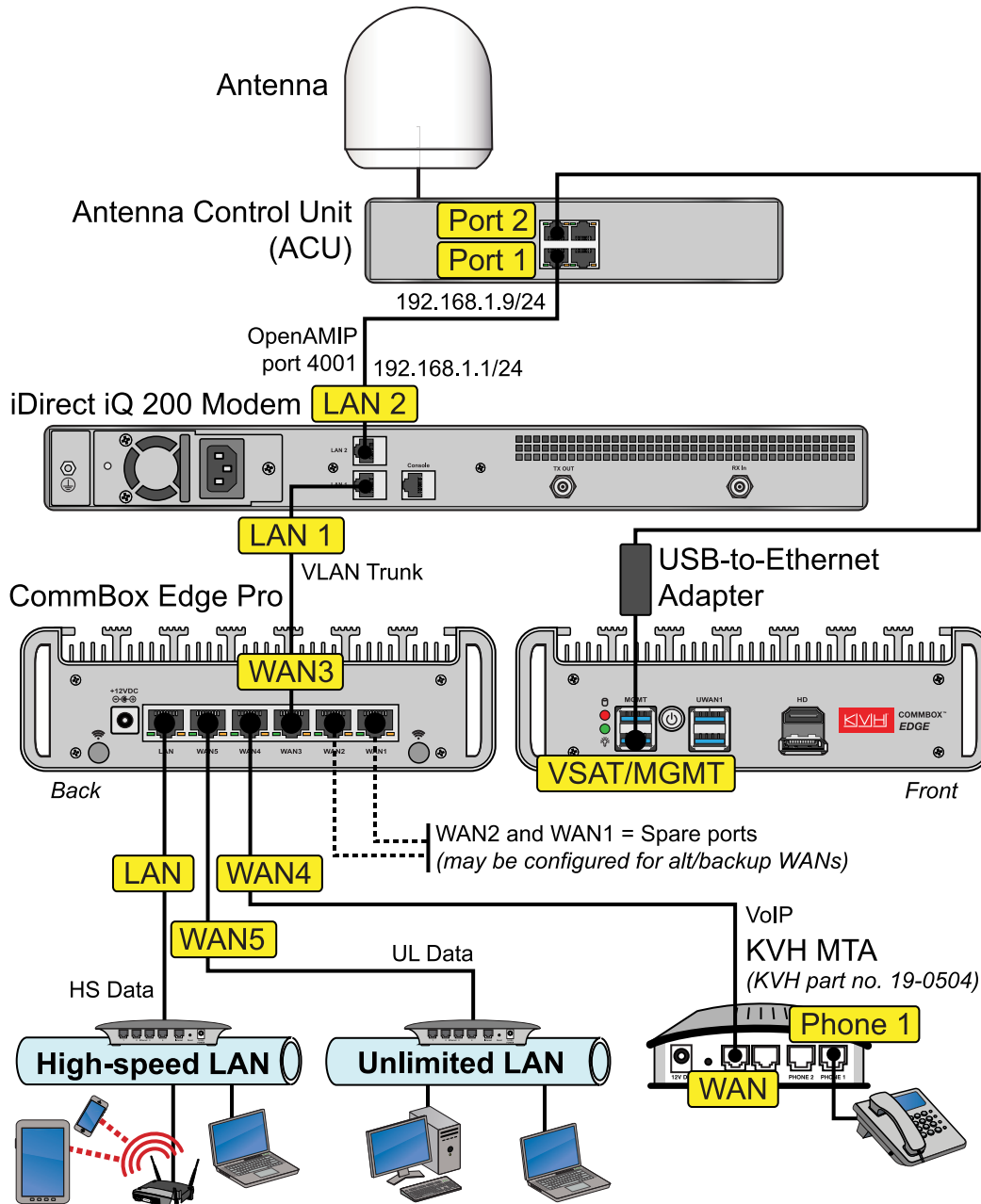
WAN connections are prioritized in the following order:

1. OneWeb
2. Cellular/Wi-Fi
3. KVH TracNet/TracPhone (VSAT)
4. Iridium Certus

OpenNet Configuration for iDirect X7 Modem



OpenNet Configuration for iDirect iQ 200 Modem



OpenNet Configuration for MDM3315 Modem

