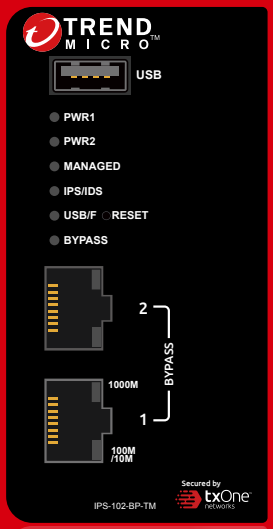
Quick Setup Guide
EdgeIPS™

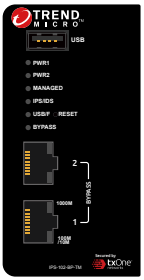
Secured by txOne networks

EdgeIPS is a Transparent Security Box fitted with dual Ethernet LAN ports. Users can efficiently adapt the palm-sized EdgeIPS into a flexible solution for the challenges of Ethernet communications.

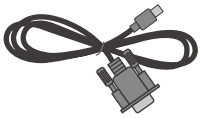


1 Opening and Inspecting the Package

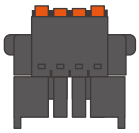
Verify that the EdgeIPS package contains the following items:



EdgeIPS Appliance



Console Cable (USB-Type-C)

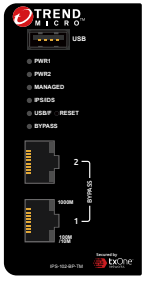


Terminal Block

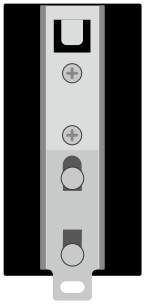
DIN Rail mount kit (assembled to EdgeIPS)

Documents

2 Examining the EdgeIPS



EdgeIPS Front Panel



EdgeIPS Back Panel

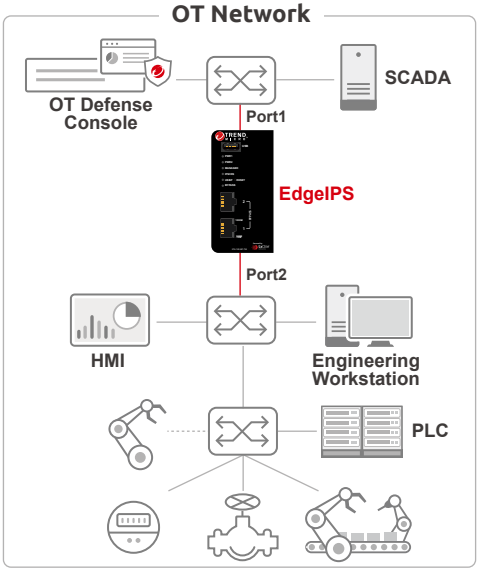
TREND MICRO

3 Deployment Checklist

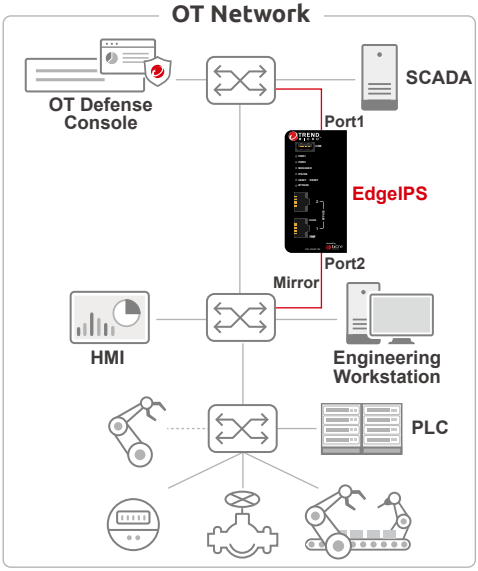
Requirement	Details
Ethernet Cables	- Connect to port 1 to access web console management. - Connect swtiches or filed devices to port2.
Default IP Address of Web Console	Default web console access information: https://192.168.127.254 User name: admin Password: txone
Laptop with Ethernet Port (RJ-45 Type)	The computer must have one of the following browsers installed: - Microsoft Edge (version 15 or above) - Firefox (version 53 or above) - Safari (version 10.1 or above) - Google Chrome (version 63 or above)

4 Deployment Scenario and System Operation Mode

Inline Mode



Offline Mode



Inline mode	In inline mode, EdgeIPS is installed directly in the path of traffic.
Offline mode	In offline mode, EdgeIPS connects to a mirror port of network switch and mirrors traffic to itself.

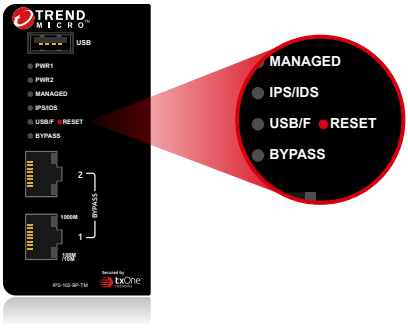
5 LED Indicators

The function of each LED is described in the table below

PWR1	Amber	Power 1 is ON
	Off	Power 1 is OFF
PWR2	Amber	Power 2 is ON
	Off	Power 2 is OFF
MANAGED	Green	OT Defense Console Sync (ODC) is enabled and ODC is connected
	Off	OT Defense console sync is disabled
IPS/IDS	Green	IPS and IDS enabled
	Off	IPS and IDS disabled
USB/F	Green	LED will be turned on when USB is plugged in
	Red	Hardware or system fault
	Blinking	USB data transmission
BYPASS	Amber	Hardware bypass mode enabled
	Off	Hardware bypass mode disabled

6 Reset to Factory Default Settings

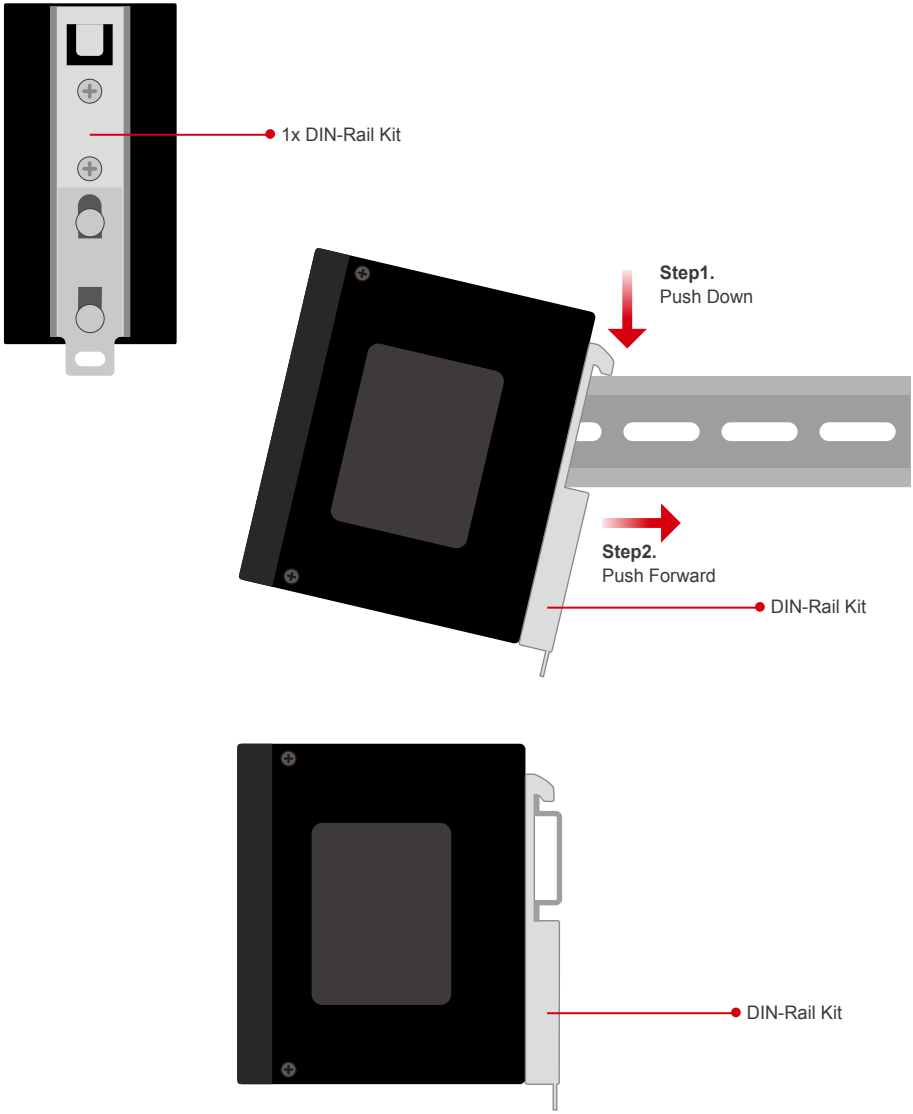
The reset button for the EdgeIPS is located on the front panel.



Reset type	Description
Reboot System	Press and hold the reset button for 2 to 10 seconds. The MANAGED LED will begin to blink on a 1-second pattern, which means the system is rebooting.
Restore Factory Default Settings	Press and hold the reset button for more than 10 seconds. The MANAGED LED will begin to blink every half-second, which means the system is resetting itself to factory defaults.

7 Installing the EdgeIPS - DIN Rail Mounting

The aluminum DIN Rail attachment plate should already be fixed to the back panel of the EdgeIPS when you take it out of the box. If you need to reattach the DIN Rail attachment plate to the EdgeIPS, make sure the stiff metal spring is oriented towards the top, as shown in the following pictures.



8 Wiring the Redundant Power Inputs

The Trend Micro EdgeIPS has two sets of power inputs – power input1 and power input2. The top and side views of the terminal block connector are shown below.

Step1.

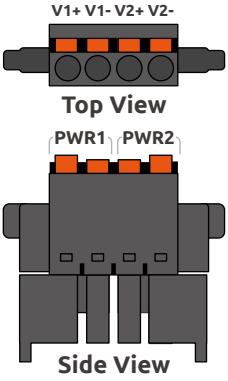
Open the terminal block's wire locks by pushing the buttons down.

Step2.

Insert a positive / negative DC wire into the V+/V- terminals respectively.

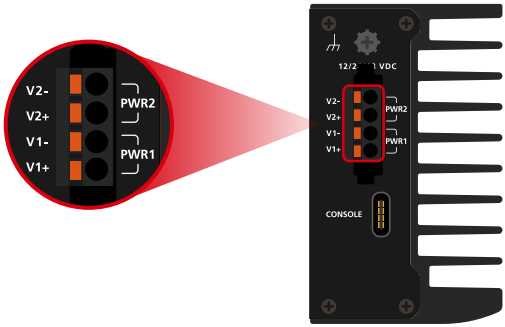
Step3.

When the wire is properly seated, the wire lock will be forced shut around it. Check whether the wire is properly fixed.



9 Connecting the Power

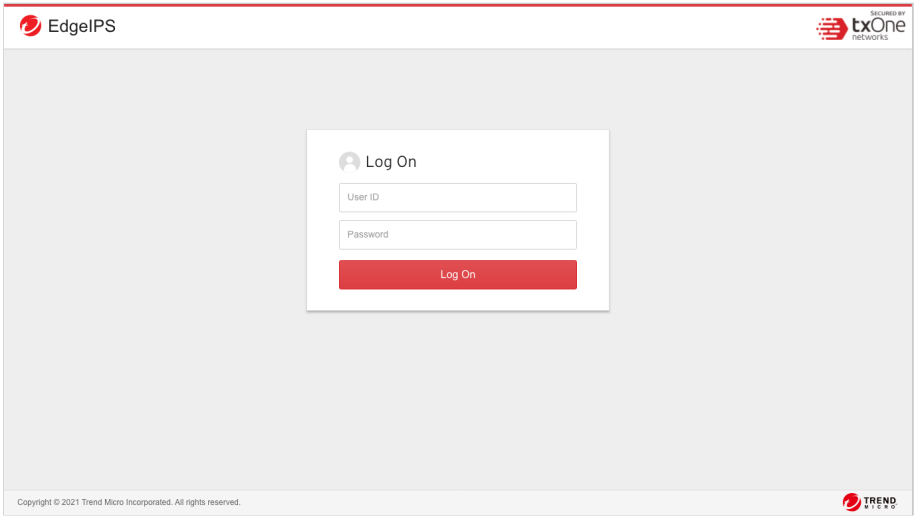
Connect the 12 to 48 VDC power line to the terminal block, which is connected to the EdgeIPS device. If the power is supplied properly, the "Power" LED will glow steadily. The power input location and pin definition are shown in the following diagram.



10 Grounding the Unit

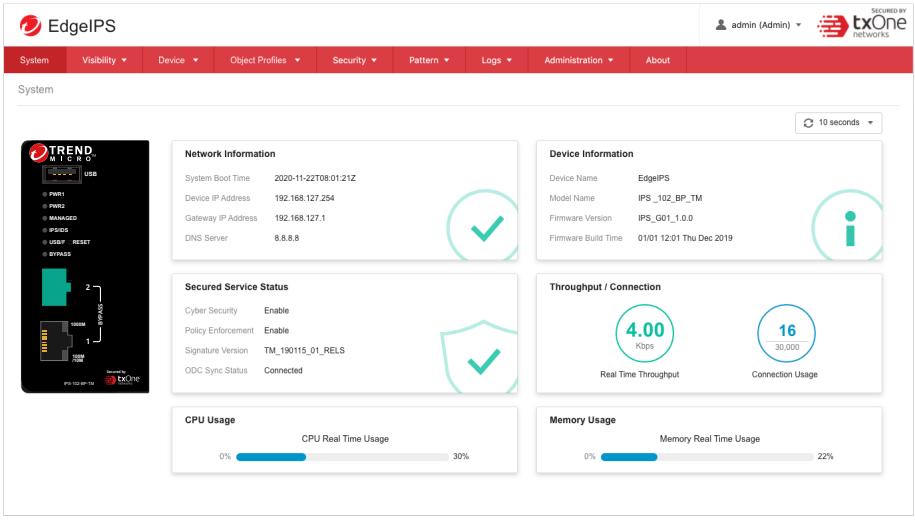
Grounding and wire routing help limit the effects of noise due to electromagnetic interference (EMI). Run the ground connection from the terminal block connector to the grounding surface prior to connecting the power. Please note that this product is intended to be mounted on a well-grounded mounting surface, such as a metal panel. The minimum cross-sectional area of the conductor must be equal to the input wiring cable's width/circumference.

11 Software Configuration



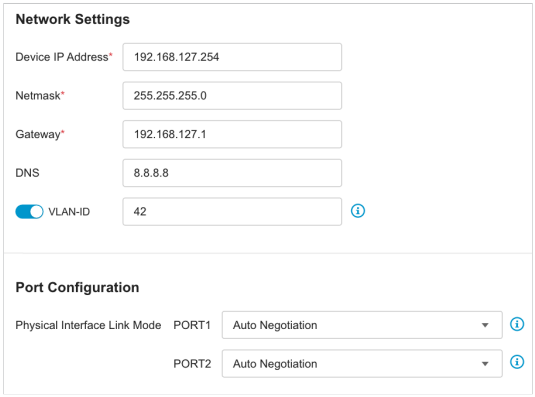
Before connecting the PC/Laptop to EdgeIPS, the PC's IP address should be set to 192.168.127.100. After that, connect the PC and EdgeIPS using an Ethernet cable. Open a web browser on your PC and type "https://192.168.127.254" into the address bar. A pop-up window will open to ask for user name and password. Please type the default username, "admin", and password, "txone".

Now, the main screen will pop up so you can configure EdgeIPS.



12 Setting the Management IP Address

1. Go to [Device] > [Device Setting]



2. In the [Network Setting] plane, configure management IP address for EdgeIPS

Task	Action
Device IP Address	Configure Management IP Address of the EdgeIPS
Netmask	Configure Netmask of the EdgeIPS
Gateway	Confiture GatewayAddress of the EdgeIPS
DNS	Configure DNS setting of the EdgeIPS
Network VLAN-ID	Configure Network VLAN-ID of the device

13 Connecting to the Network

EdgeIPS's ports 1 and 2 make up a network segment.

1. Port 1 is a "mixed" port design, functioning both as the management console port and to connect to a network node, so EdgeIPS's Port 1 can be connected either to your network switch/hub or to a laptop. Connecting this port to the network enables remote management of the device.
2. EdgeIPS's Port 2 links the IPS to the device or small production zone you are targeting for protection.

14 Checking the LED to Confirm Status

The LED on each Ethernet port shows the deployment status.

RJ45

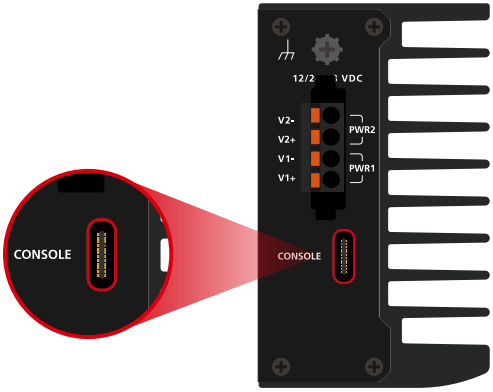
No Light	The EdgeIPS appliance cannot communicate with a network.
Left LED0:(Green)	GE LINK/ACT (off = no link, on = 1 Gbps link, blinking = activity)
Right LED1:(Green)	10/100Mbps LINK/ACT (off = no link, on = 10/100 Mbps link, blinking = activity)

Appendix: Connecting to the Console Port

The EdgeIPS console port is a USB Type–C Port located on the front panel of the case. It is designed for connection to serial console terminals for viewing messages during the boot sequence or for debugging system boot issues. To connect the console cable, remove the protective cover on the port.

Serial Console Port, Cable, & Pinouts

USB Type C



The initial configuration for the EdgeIPS using the command line interface (CLI) on a serial terminal client will use the following default settings:

- Baud Rate: 115200 bps
- Character size: 8 bits
- Parity: None
- Stop Bits: 1
- Flow Control: None

Contact Information

Website
https://www.trendmicro.com

List of worldwide offices and phone numbers
https://www.trendmicro.com/us/about-us/contact/index.html

Technical support page
https://success.trendmicro.com/

EULA
https://www.trendmicro.com/en_us/about/legal.html

EdgeIPS Datasheet/Application Note Landing Page

The power cord adapter should be connected to a socket outlet with an earthing connection.
The power cord and adapter must comply with Class II construction.
This product is intended to be supplied by a UL Listed Power Adapter or DC power source marked 'L.P.S' or 'Limited Power Source', rated 12 to 48 VDC, 0.605 A (min.)