Secured by
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networks

Quick Setup Guide
EdgeIPS™ Pro-1048

EdgeIPS Pro-1048 is a Transparent Security Appliance. Support up to 24 pair IPS segments, Users can efficiently adapt the rack mount-sized EdgeIPS Pro-1048 into a flexible solution for the challenges of Ethernet communications.

You can learn more LAN Module information in the **Quick Setup Guide - EdgeIPS Pro LAN Module**
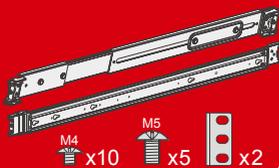
1 Opening and Inspecting the Package
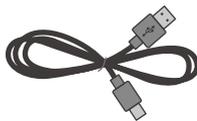
EdgeIPS Pro-1048 Appliance
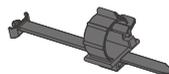
Power Cord Strain Relief Kit

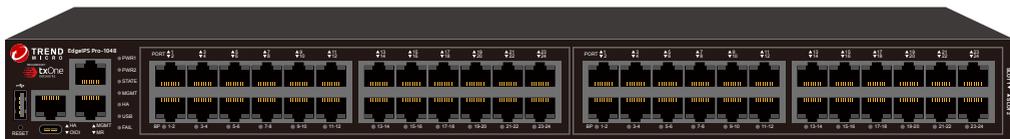M4 x10   M5 x5   x2

Rail Mount Kit
(EdgeIPS Pro-1048)

Power Cord x 2

Console Cable
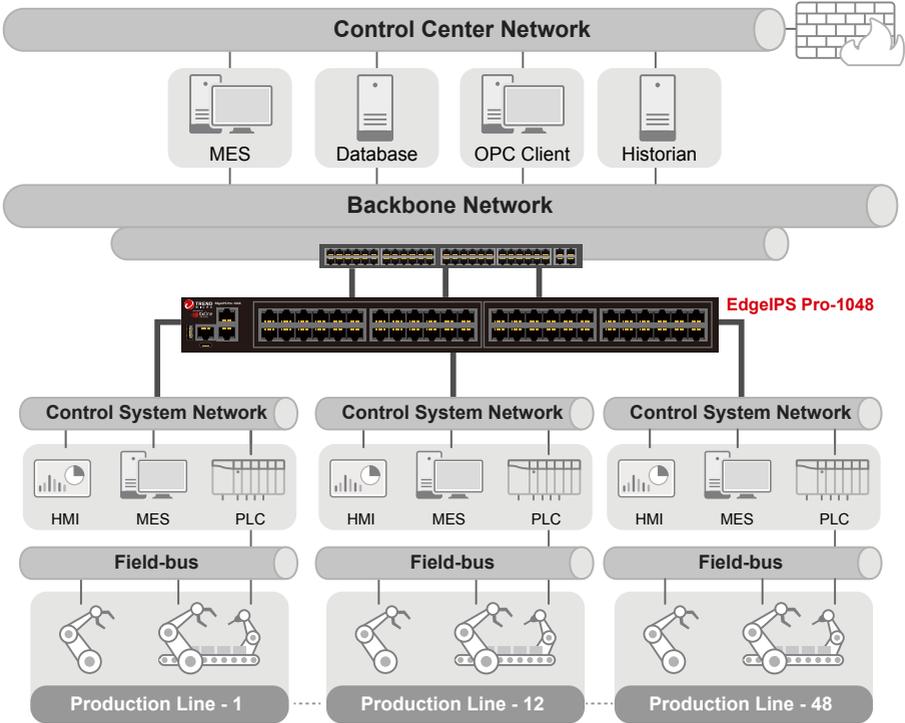(USB-Type-C)

Documents

2 Examining the EdgeIPS Pro-1048

EdgeIPS Pro-1048 Front Panel

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3 Deployment Checklist

Requirement	Details
Ethernet Cables	Connect to the Management Port for accessing web console management.
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

Control Center Network

MES   Database   OPC Client   Historian

Backbone Network

EdgeIPS Pro-1048

Control System Network   Control System Network   Control System Network

HMI   MES   PLC   HMI   MES   PLC   HMI   MES   PLC

Field-bus   Field-bus   Field-bus

Production Line - 1   Production Line - 12   Production Line - 48

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5 LED Indicators

The function of each LED is described in the table below

PWR1	● Green	Power 1 is on, and device is functioning normally
	● Off	Power 1 is off
PWR2	● Green	Power 2 is on, and device is functioning normally
	● Off	Power 2 is off
STATE	● Green	System is running normal
	● Off	System fail, fail LED will also be turned on
MGMT	● Green	OT Defense Console Sync (ODC) is enabled and ODC is connected
	● Off	OT Defense console sync is disabled
HA	● Green	High-Availability feature is tunred on
	● Off	High-Availability feature is tunred off
USB	● Green	LED will be turned on when USB is plugged in
	● Off	No USB Flash device is inserted
Fail	● Red	System fail which includes hardware and software
	● Off	System is running normal

6 Reset to factory default setting

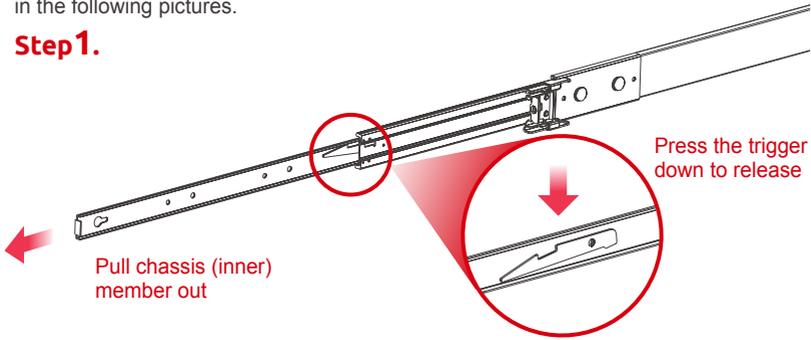The reset button for the EdgeIPS Pro-1048 is located on the front panel.
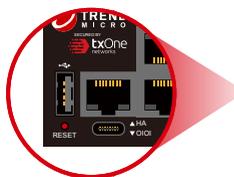
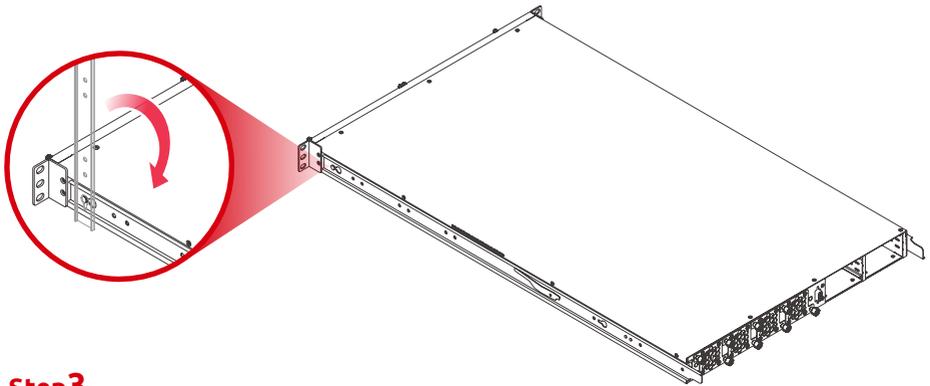| Reset type	Description
Reboot System	Press and hold the reset button for 2 to 10 seconds. The STATE LED will begin to blink on a 1-second pattern, which means the system is rebooting.
Restore Factory Default Settings	Press and hold the reset button for more than 10 seconds. The STATE LED will begin to blink every half-second, which means the system is resetting itself to factory defaults.

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7 Installing the EdgeIPS Pro

The aluminum Rail attachment plate should already be fixed to the back panel of the EdgeIPS Pro-1048 when you take it out of the box. If you need to reattach the Rail attachment plate to the EdgeIPS Pro-1048, make sure the stiff metal spring is oriented towards the top, as shown in the following pictures.
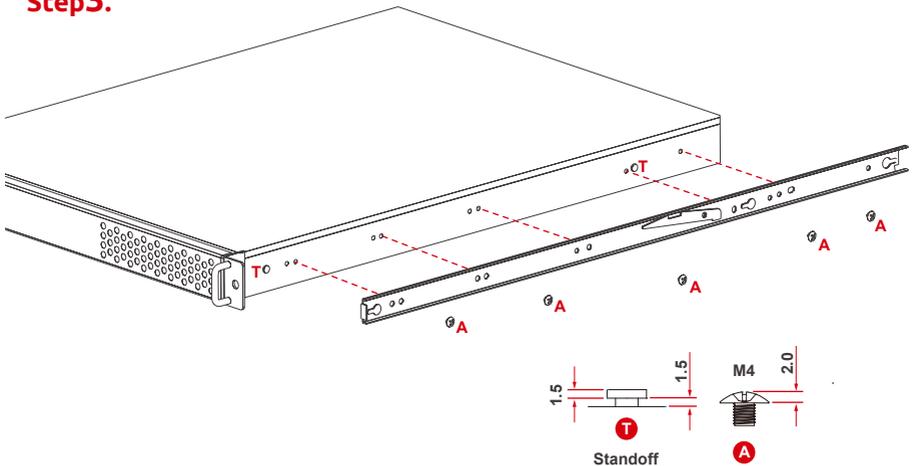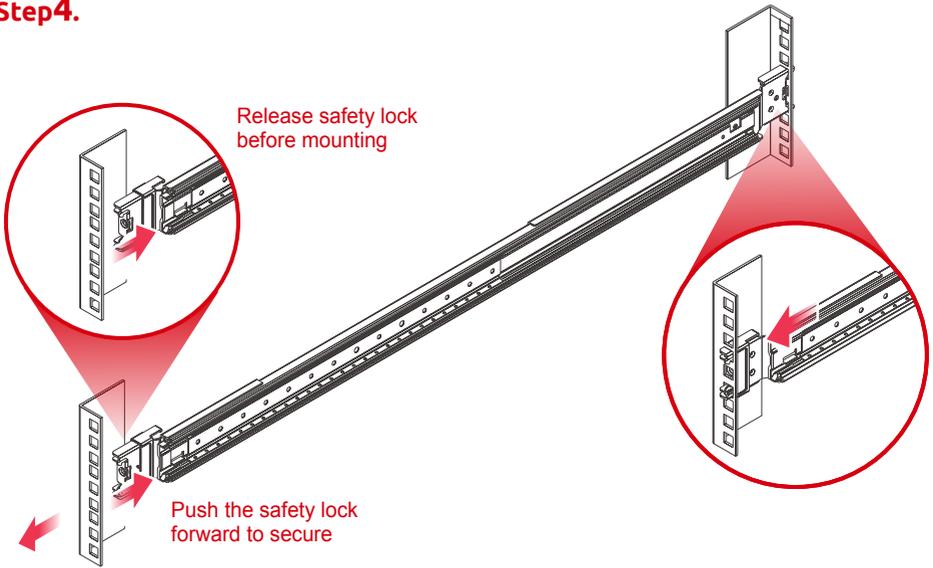
Step1.

Press the trigger down to release

Pull chassis (inner) member out

Step2.

Step3.

T

A
A
A
A
A
A
T

1.5 1.5
Standoff
T

M4 2.0
A

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Step4.

Release safety lock
before mounting

Push the safety lock
forward to secure

Step5.

Retainer is in fully open position

Step6.

Press trigger down to release the slides from locking

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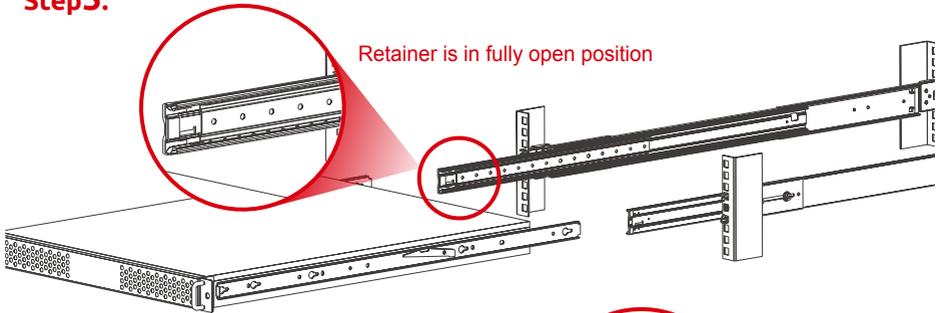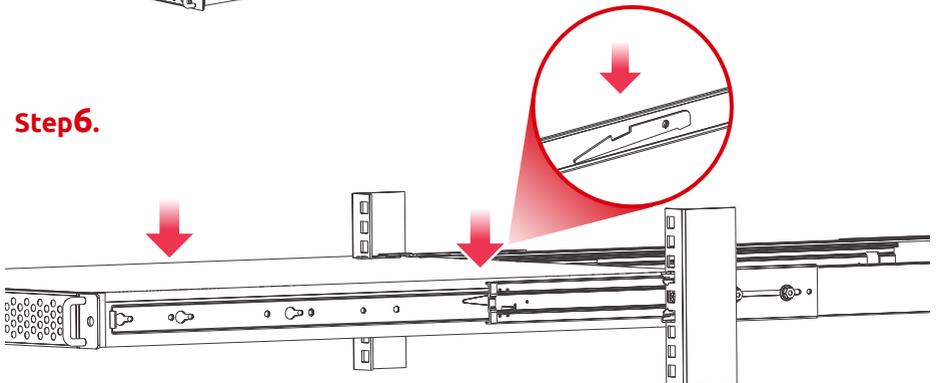## 8 Wiring the Redundant Power Inputs

The Trend Micro EdgeIPS Pro 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.

Prepaing the power code and wire locks.

Step2.

Insert a positive / negative AC wire power code respectively.

Step3.

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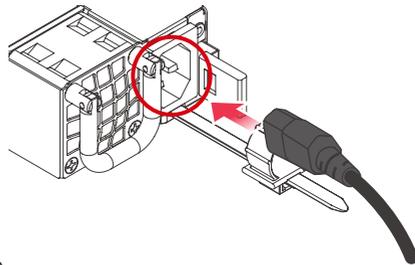
9 Connecting the Power

Connect the 100 to 240 AC power cord to the power socker, which is connected to the EdgeIPS Pro 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.
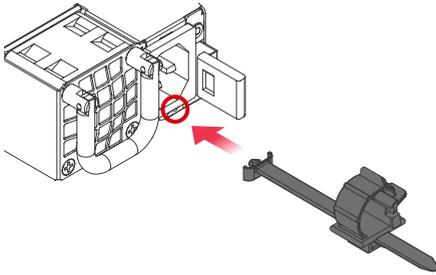
Step1.   Step2.

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.

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11 Software Configuration
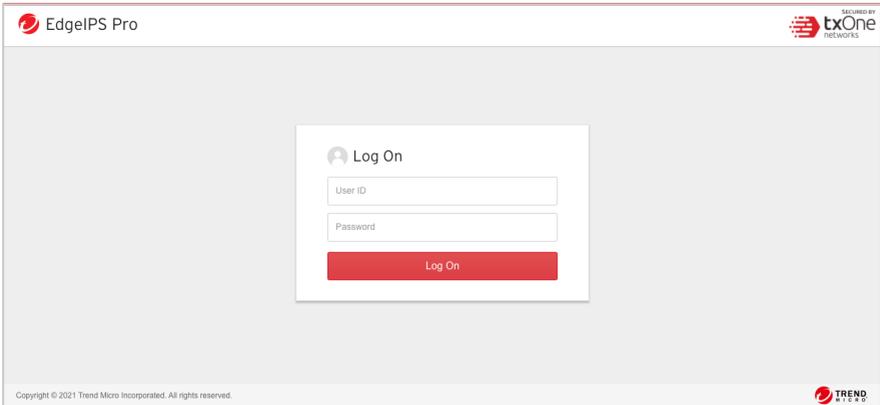
Before connecting the PC/Laptop to EdgeIPS Pro-1048, the PC's IP address should be set to 192.168.127.100. After that, connect the PC and EdgeIPS Pro-1048 using an Ethernet cable. Open a web browser on your PC and type "https://192.168.127.254" into the address bar. A pop-up window will open to ask for 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 Pro.
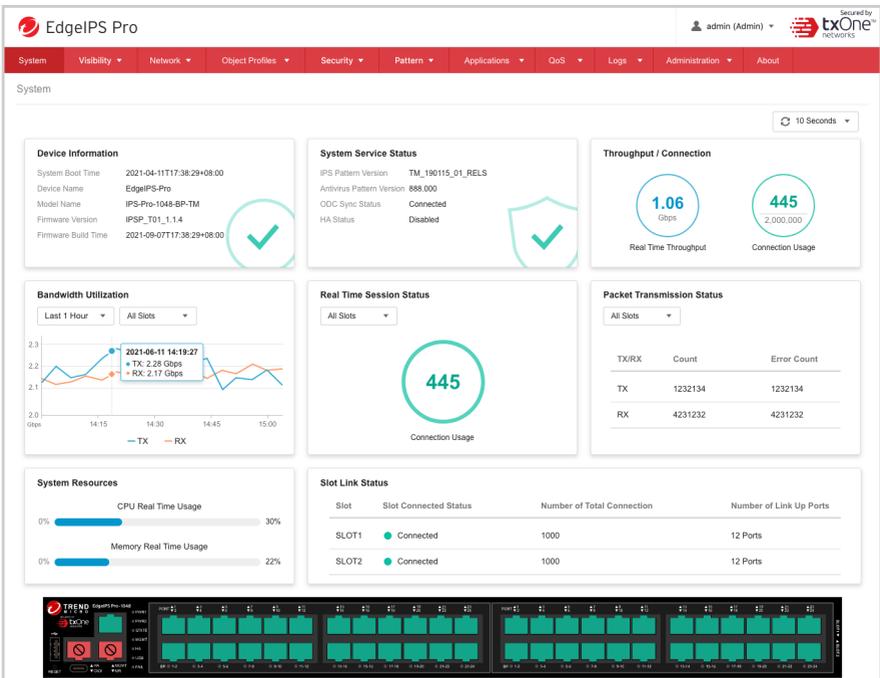
12 Setting the Management IP Address

1. Go to [Network] > [Device Settings]
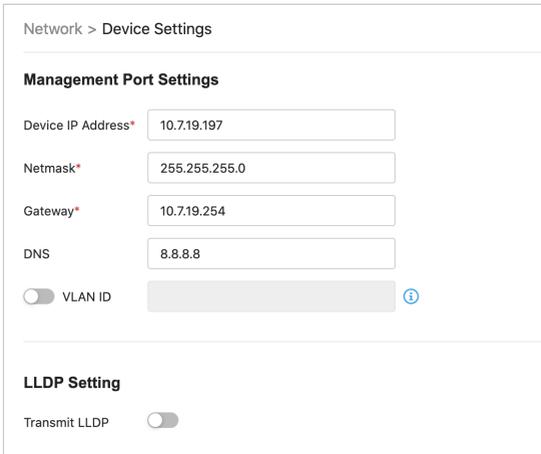
Network > Device Settings

Management Port Settings

Device IP Address*	10.7.19.197
Netmask*	255.255.255.0
Gateway*	10.7.19.254
DNS	8.8.8.8
⬤ VLAN ID	ⓘ

LLDP Setting

Transmit LLDP ⬤

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

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

13 Connecting to the Network

Use the management port to access the EdgeIPS Pro Web console from another computer on your network.

1. Connect one end of a Category 5e Ethernet cable to the MGMT port located on the front panel.
2. Connect the other end of the cable to an Ethernet port connected to your network.

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14 Checking the LED to Confirm Status

The LED on each Ethernet port shows the deployment status.

MGMT / MR

▬	No Light	The EdgeIPS Pro appliance cannot communicate with a network.
▬	Left LED	GE LINK/ACT (off = no link, on = activity)
▬	Right LED	10 Gbps LINK/ACT (on = 10 Gbps link)
▬	Right LED	1 Gbps LINK/ACT (on = 1 Gbps link)
▬	Right No Light	10/100 Mbps LINK/ACT (off = 10/100 Mbps link)

HA

▬	No Light	The EdgeIPS Pro appliance cannot communicate with a network.
▬	Left LED	GE LINK/ACT (off = no link, on = activity)
▬	Right LED	100 Mbps LINK/ACT (on = 100 Mbps link)
▬	Right No Light	10 Mbps LINK/ACT (off = 10 Mbps link)

RJ45

▬	No Light	The EdgeIPS Pro appliance cannot communicate with a network.
▬	Left LED	GE LINK/ACT (off = no link, on = activity)
▬	Right LED	10/100 Mbps LINK/ACT (off = 10 Mbps link, on = 100 Mbps link)
▬	Right LED	1 Gbps LINK/ACT (on = 1 Gbps link)

## 15 Hardware Bypass LED Indicator

The Bypass LED on each IPS Pair status.
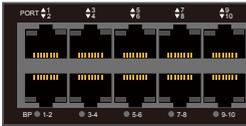
Bypass LED indication		Status
▬	No Light	Port Pair hardware bypass disabled
▬	Turn on RED	Port Pair hardware bypass enabled
▬	Turn on Green	Port Pair hardware bypass normal

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Appendix: Connecting to the Console Port

The EdgeIPS Pro-1048 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
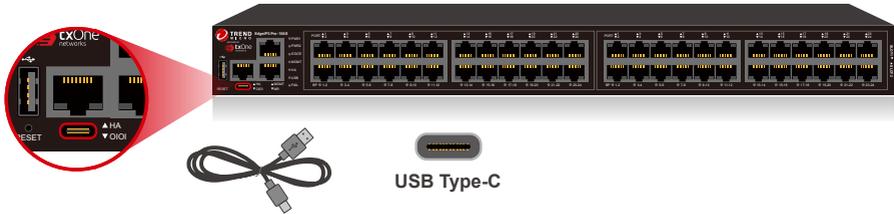
The initial configuration for the EdgeIPS Pro-1048 using the command line interface (CLI) on a serial terminal client will use the following default settings:

• 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 Pro Datasheet/Application Note Landing Page