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Welcome to Custom Integration Solutions

Thank you for purchasing CIS devices. Our solutions make it easy for integrators to deploy networks in home and business settings with minimal configuration. Our support team is here to assist with setting up equipment and answering your network related questions.

Overview

The CIS-SW-POE is an affordable way to provide PoE support and advanced networking features. It is equipped with five Gigabit Ethernet ports and one SFP port, compatible with 1 Gb modules. It integrates easily with existing CIS network devices. The QuickConnect system lets you add the switch alongside a CIS-NW-POE router into a single rack space if desired.

Package Contents



Switch

24v DC Adapter

Rack ears (2)

Screws (8)

Power

The CIS-SW-POE is powered via a 24V 2-Amp Power supply or via PoE on port 1 (11–57V DC). The 24v power supply provides passive power to the 4 PoE output ports. A 48v power supply can be purchased to enable additional PoE capabilities.

PoE Output

The CIS-SW-POE can supply PoE to external devices. The output voltage will be selected automatically depending on the voltage the connected device requires, or you can set it manually. The device can power both 802.3af/at devices (with optional 48v power supply) and devices that accept passive PoE power.

By default, the PoE mode is set to auto. It will not damage non-PoE devices and will auto-detect devices with PoE support and their required voltage. This unit provides a maximum current of 450mA for each port regardless of the device's power class, with a total maximum total output of 2 A. The device consumes 6 W without any attachments, and up to a maximum of 59 W.

Device Details



Ports

- 5 Gigabit Ethernet ports (with Auto MDI/X). ETH1 supports PoE in.
- 1 SFP cage, which accepts 1 GB SFP modules.
- USB Port (disabled).
- Power connect the included 24v or optional 48v DC adapter.

LED Indicators

- PWR Indicates the router is receiving power.
- USR An LED that can be customized by CIS. Default is off.
- SFP Indicates network activity on the SFP port.
- 1-5 Indicates Ethernet activity on ports 1 through 5.
 - Green indicates activity. Red indicates active PoE.



Buttons

Reset button: This button is located on the side next to the USB port. Hold this button while the device is powered off, then apply power. Keeping holding until the USR LED light starts flashing, (5 seconds) then release the button to reset to the default CIS configuration. You can use this procedure if you have forgotten the password to access the device, or simply wish to return the unit to its default configuration state.

Input Power Requirements

The CIS-SW-POE accepts 11 to 57v DC via the DC jack or PoE on ETH1.

Quick Setup



- 1. Connect the included 24V DC Adapter or power the device via PoE on ETH1.
- 2. Connect the switch to the router with an Ethernet cable or SFP cable. Do not connect both cables at the same time.
- 3. Connect your network devices to the remaining ports on the switch.

Setup and Accessing the Web Interface

- 1. Connect the switch to your router using either an Ethernet or SFP cable. Do not connect both to the router.
- Connect your laptop or PC to any remaining Ethernet port on the front of the CIS switch (excluding the console port). You can also access the web interface plugged directly into the router.
- 3. To access the web interface, you must obtain the IP address assigned to the switch. Access your router's configuration page, then find the IP address assigned to the switch in the DHCP leases.
- 4. Launch a web browser and navigate to the IP address of the switch. To login, enter the username **cis** and password **integration**.
- 5. Integrators may use the Get TeamViewer link if remote assistance is required.

ossession, please contact yo	ch. Administrative acc our local network adm	ess only. If this device is inistrator.	not in your	CIS
CIS Login:			Custon	n Integration Solution
Login: <mark>cis</mark>	_	Login		
assword: integration				
		ر <u>ا</u>		·
Smart Router	CIS Store	Get TeamViewer	Owners Guide	Like us on

The Status Page

The status page provides basic diagnostic information. There is a CIS Support Address should you require assistance. The switch's Identity will show you which device you are accessing on your network. You can view uptime, memory usage and load on the CPU.

CIS Switch Status		RouterOS v6 47 7 (stable	2)					
Interfaces		100000100 10.47.7 (500)	-)					
👯 Bridge								
The CIS Support								
255 IP	•							
📑 Routing	•		ISP					
🔯 System	•	ISP Public Address						
🔀 Tools	•							
🥎 Undo			CIS Switch	Byte Graph				
ir Redo		CIS Switch Identity						
Hide Passwords	s					1 min age		
		CIS Switch Uptime	00:22:01		— Tx	cur:	avg:	max:
		CIS Switch Address	10.100.1.2/24		— кл	cur:	Brid	 ge Traffic
		CPU Load	11 %					90
		Total Memory	128.0 MiB					
		Free Memory	106.6 MiB					
			CIS Platinum Support	Packet Graph				
			10.255.255.95			1 min ago	,	
		CIS Support Address	FOR INTEGRATOR PLATINUM SUPPORT PRESENT YOUR CIS SUPPORT ADDRESS ACCESS NUMBER		— Tx Packet	cur:	avg:	max:
					Rx Packet	cur:	avg:	max:

Setting the Switch's Identity

The identity is used to identify your device on the network. If you have multiple switches of the same model, it is recommended you use a naming scheme to identify them.

The **Identity** setting can be found in the **System** tab in the left toolbar.

CIS Switch Status	RouterOS v6.47.7 (stable)	
Interfaces		
💥 Bridge	Iden	tity
🏣 CIS Support		
IP 🕨	Apply	
📑 Routing 🔹 🕨		
🔯 System 🔻	Identity	
Clock	"Switch Identity"	
Identity		
Note		

Undo / Redo

Undo and Redo buttons are located in the left toolbar. You may use them to quickly undo/redo any changes made to configuration.

CIS Switch Status					
Interfaces					
👯 Bridge					
≟≣ CIS Support					
IP 🕨					
📑 Routing 🔹 🕨					
🔯 System 🔹 🕨					
🔀 Tools 🔹 🕨					
🕎 Undo					
Aedo 🥐					
Hide Passwords					

Show / Hide Passwords

Selecting the **Hide Passwords** button in the left toolbar will toggle the displaying of passwords related to Wi-Fi, Hotspot, and more.

🥎 Undo
🎓 Redo
Hide Passwords

Rebooting the Device

If you are having ongoing issues with your network and suspect a reboot will help, the **Reboot** option can be found in the **System** tab in the left toolbar. Clicking reboot will ask for confirmation before proceeding.

🔯 System 🛛 🔻
Clock
Identity
Note
Password
Reboot

Changing the Default Password

After you log in for the first time, please create a new a password to increase the security of the device. Enter the old password in the top field and a secure password in the new and confirm password fields.

CIS Switch Status	RouterOS v6.47.7 (stat								
Interfaces	100000000000000000000000000000000000000								
👫 Bridge	C								
TIS Support									
255 IP 🕨	Change Cancel								
📑 Routing 🔹 🕨									
🔯 System 🔻	Old Password								
Clock		BE SURE TO REMOVE DEFAULT PASSWORD							
Identity	New Password								
Note									
Password	Confirm Password								
Reboot		RECORD YOUR NEW PASSWORD							
🔀 Tools 🔹 🕨									

Setting the Time Zone

You can find the Clock settings under the System tab in the left toolbar. Select your time zone from the drop-down menu.

CIS Switch Status	RouterOS v6.47.7 (stable)	
Interfaces		
💥 Bridge		Clock
arguing CIS Support		
255 IP 🕨	Apply	
📑 Routing 🔹 🕨		
🔯 System 🔻		Time
Clock		
Identity	Time	07:26:22
Note	Date	Apr/28/2021
Password		
Reboot	Time Zone Autodetect	
🔀 Tools 🔹 🕨	Time Zone Name	America/Vancouver
🥎 Undo		
🎓 Redo		

IP Addressing

View the Switch's IP Addresses

By default, the switch will acquire an IP address through DHCP. You can view the IP addresses in the **IP** > **Addresses** section. In the picture below, there is an entry for a static address (optional), an entry for your support IP address (if the support tunnel is enabled), and an entry for the IP address received via DHCP.

CIS Switch Status	Route	RouterOS v6.47.7 (stable)								
Interfaces										
👫 Bridge		Address List								
argent CIS Support]									
555 IP 🔻	3 item									
Addresses	5 item									
DHCP Client			▲ Address	Network	Interface					
UPnP	E	X	🕆 10.100.1.2/24	10.100.1.0	bridge-operation:					
📑 Routing 🕨 🕨	1	D	+ 10.255.255.95/32	10.255.254.1	CIS_Support					
🔯 System 🕨		D	+ 172.16.254.115/23	172.16.254.0	bridge-operation:					
🔀 Tools 🕨 🕨										
lindo	1									
A) Ondo	-									
(r Reuo	1									
Hide Passwords										

CIS Support

With the CIS Support tunnel activated, the CIS team can make configuration changes, push updates, and troubleshoot your network. Press the button to the left of the entry. "D" stands for disable, while "E" stands for enable.

CIS Switch Status	Route	erOS	v6.47.7 (stable)								
Interfaces	Route										
👫 Bridge		CIS Support									
늘 CIS Support	1										
155 IP 🕨	1 item										
📑 Routing 🛛 🕨 🕨	1 item										
🔯 System 🕨			▲ Name	Туре	Actual MTU	L2 MTU	Тх	Rx			
🔀 Tools 🔹 🕨	D	R	 CIS_Support 	SSTP Client	1500		0 bps	1320 bps			
🥎 Undo											
Aedo											
Hide Passwords]										

Renewing the IP Address

To renew the IP address, select the **DHCP Client** section under the **IP** tab.

CIS Switch Status	Router	RouterOS v6 47.7 (dable)					
Interfaces	Router	00 10.47.7 (Subic)					
👫 Bridge				DHCP Clien			
argent CIS Support	1						
255 IP 🔻							
Addresses	1 item						
DHCP Client		▲ Interface	IP Address				
UPnP	D	bridge-operations	172.16.254.115/23				
📑 Routing 🕨 🕨	1						
🔯 System 🕨	1						
🔀 Tools 🔹 🕨]						

Click on the entry to bring up the options. Click the **Renew** button to obtain a new lease.

CIS Switch Status	RouterOS v6.47.7 (sta	ble)	
Interfaces			
👫 Bridge			DHCP Client <bridge-operations></bridge-operations>
TIS Support			
🐺 IP 🔻		Renew	
Addresses			
DHCP Client	Status: bound		not invalid
UPnP	Enabled	2	
📑 Routing 🔹 🕨			
🔯 System 🕨			DHCP
🔀 Tools 🔹 🕨		1.11	
🥎 Undo	Interface	bridge-operations	
ir Redo			Status
- Hide Passwords	IP Address	172.16.254.115/23	

Setting a Static IP address

To set a static IP, select **Addresses** from the **IP** tab. Click on the field containing the disabled IP address.

CIS Switch Status	Route	RouterOS v6 47.7 (stable)					
Interfaces			torrin (Balbic)				
👫 Bridge						Address List	
🏣 CIS Support	1						
255 IP 🔻	2 itom	_					
Addresses	5 item	5					
DHCP Client			▲ Address	Network	Interface		
UPnP	E	Х	🕆 10.100.1.2/24	10.100.1.0	bridge-operation:		
Routing		D	+ 10.255.255.95/32	10.255.254.1	CIS_Support		
🔯 System 🕨		D	+ 172.16.254.115/23	172.16.254.0	bridge-operation:		
🗙 Tools 🔹 🕨							

If your network falls in one of the ranges below, you can set the static IP address yourself. If it is outside of these ranges, you must call CIS to have a route created!

Available address ranges:				
172.16.1.0/24	10.100.1.0/24	192.168.1.0/24	192.168.0.0/24	

Enter the IP address to assign to the switch. Ensure that it is outside of the DHCP pool, and not in use by other devices. The format must include **/24** at the end. This is the subnet mask, which determines how many devices can be connected to this network.

OK Cancel Apply				
not invalid				
Enabled				
Address	10.100.1.2/24			
Network	10.100.1.0			
Interface	bridge-operations			

Once you have set the static IP address, disable the DHCP client. Go to the **DHCP Client** tab located under **IP** in the toolbar. Click the "D" to disable the DHCP client.

CIS Switch Status	RouterO	RouterOS v6 47.7 (stable)				
Interfaces	noutero	o voinn (subic)				
💥 Bridge				DHCP Client		
arguing CIS Support						
555 IP 🔻	1 item	4 16-00				
Addresses	1 item					
DHCP Client		▲ Interface	IP Address			
UPnP		bridge-operations	172.16.254.115/23			
📑 Routing 🛛 🕨						

Interfaces

To view the interface status, select **Interfaces**, then the **Ethernet** tab. The Ethernet tab provides an overview of the activity on all ports. You can view the traffic sent and received, the status of PoE, PoE settings, PoE priority and current being drawn by PoE devices.

CIS Switch Status	Route	RouterOS v6 48 (stable)						
Interfaces								
argent CIS Support	Interfa	ce List	Ethernet					Interface List
💥 Bridge								
255 IP 🕨	Power	Cycle						
] Routing ►								
🔯 System 🕨	6 items							
🔀 Tools 🔹 🕨								
🥎 Undo			▲ Name	Туре	мти	L2 MTU	Тх	Rx
Aedo	D	s	SFP-01	Ethernet	1500	1600	0 bps	0 bps
- Hide Passwords	;;; TRU	NK						
	D	RS	🚸 ether-01	Ethernet	1500	1598	102.9 kbps	26.3 kbps
	D	s	🚸 ether-02	Ethernet	1500	1598	0 bps	0 bps
	D	s	🚸 ether-03	Ethernet	1500	1598	0 bps	0 bps
	D	s	🚸 ether-04	Ethernet	1500	1598	0 bps	0 bps
	D	RS	🚸 ether-05	Ethernet	1500	1598	3.5 kbps	5.8 kbps

Power Cycling an Ethernet Port

Click the **Power Cycle** button in the Interfaces > Ethernet section. Select the port and duration, then click **Power Cycle**.

CIS Switch Status	RouterOS v6.48 (stable	2)
🎟 Interfaces		·
arguing CIS Support		Power Cycle
👯 Bridge		
👪 IP 🕨 🕨	Power Cycle Cancel	
📑 Routing 🔹 🕨		
🔯 System 🕨	Interface	ether-02 🗸
🗙 Tools 🔹 🕨	Duration	
🥎 Undo	Duration	55
🎓 Redo		
- Hide Passwords		

VLANs

VLANs provide isolation between your network devices. This can keep traffic from designated devices secure and restricted from other devices on the network and reduce the overall congestion. It is highly recommended to deploy VLANs for VoIP applications and systems that handle sensitive data.

Purchase VLAN configuration

For a complete VLAN model, the router, access points and switching all require additional configuration.

VLANs and additional networks are available on the CIS Store.

https://www.custom-integration-solutions.com/store/cis-vlan-interface/

https://www.custom-integration-solutions.com/store/cis-additional-network/

Changing the VLAN on a Port on a Preconfigured System

Select **Bridge** from the left toolbar, then click on the **Ports** tab. Select the port you wish to change the VLAN on.

CIS Switch Status	RouterOS v6 48 (stable)						
Interfaces							
argent CIS Support	Bridge	Ports	Port	Extensions	VLANs	Hosts	
💥 Bridge							
55 IP 🕨	C items						
📑 Routing 🛛 🕨	6 items						
🔯 System 🕨			#	Interface	B	Bridge	
🔀 Tools 🔹 🕨	D		0	🖀 ether-01	Ь	ridge-ope	rations
🔦 Undo	D	I	1	🛎 ether-02	2 b	ridge-ope	rations
Redo	D	I	2	👗 ether-03	b b	ridge-ope	rations
Unide Deserverde	D	I	3	👗 ether-04	h P	ridge-ope	rations
	D		4	👗 ether-05	i b	ridge-ope	rations

Enter the VLAN you wish the port to be a member of in the **PVID** field.

DVID	20
FVID	20

Manually Configuring the Switch for VLANs

When you purchase a VLAN configuration from CIS, these configuration changes will already be implemented. If you wish to implement these changes yourself, follow the instructions below.

Step 1 - Enable VLAN Filtering on the Bridge

Select **Bridge** from the left toolbar. Select the bridge entry.

CIS Switch Status	Route	RouterOS v6 48 (stable)					
Interfaces							
arguing CIS Support	Bridge	Ports	Port Extensions	VLANs Hosts			
👯 Bridge							
😇 IP 🔹 🕨	1 :5						
📑 Routing 🔹 🕨	1 item						
🔯 System 🕨			▲ Name	Туре	Тх	Rx	
🔀 Tools 🔹 🕨		D	A bridge-operations	Bridge	82.0 kbps	11.0 kbps	
👆 Undo		ĸ	 bridge-operations 	bridge	00.9 KDps	11.5 KUPS	
nedo 🧑							

Enable the VLAN Filtering option. Click Apply, then OK.

OK Cancel Apply	
not invalid running not slave	
Name	bridge-operations
Туре	Bridge
IGMP Snooping	
Protocol Mode	Onone OSTP ®RSTP OMSTP
VLAN Filtering	

Step 2 - Assign the Trunk Port(s)

Trunk ports carry traffic from all VLANs between your switches and routers. You must configure a trunk port between the router and the switch.

With **Bridge** selected in the left toolbar, select the **VLANs** tab. Click **Add New**.

CIS Switch Status	Route	RouterOS v6.48 (stable)							
Interfaces									
arguing CIS Support	Bridge	Ports	Port Extensions	VLANs Hosts					
💥 Bridge		_							
IP 🕨	Add Ne	Add New							
📑 Routing 🛛 🕨									
🔯 System 🕨	1 item								
🗙 Tools 🔹 🕨			A Bridge	VLAN IDs	Current Tagged	Current Untagged			
🥎 Undo	-	D	bridge-operations	1		bridge-operations, ether-01,			
🎓 Redo									

Enter the VLAN IDs the trunk will carry. You should enter the VLAN ID of every VLAN that will be present on the network. Use the up/down arrows to add and remove VLAN IDs. Set each trunk port to be **Tagged**.

OK Cancel Apply Remove								
Enabled								
Bridge	bridge-operations 🗸							
VLAN IDs	 ✓ 20 ↓ 30 ↓ 							
Tagged								
Untagged	▼							
Current Tagged	ether-01							
Current Untagged								
Comment								

Step 3 – Assign Ports to VLANs

The ports that connect to your devices will be "untagged" ports or access ports. The final step is to set which VLAN they will be a member of. With the **Bridge** section selected in the left toolbar, select the **Ports** tab. Click on a port below.

CIS Switch Status	RouterOS v6.48 (stable)								
Interfaces									
The CIS Support	Bridge	Ports	s Port	Extensions	VLANs	Hosts			
🕃 Bridge									
255 IP 🕨									
🔀 Routing 🔹 🕨	6 items								
🔯 System 🕨			#	Interface	В	ridge			
🗙 Tools 🔹 🕨	D		0	🛎 ether-01	b	ridge-ope	rations		
🔦 Undo	D	I	1	👗 ether-02	e b	ridge-ope	rations		
Redo	D	I	2	👗 ether-03	в	ridge-ope	rations		
	D	I	3	🛎 ether-04	b b	ridge-ope	rations		
Hide Passwords	D		4	🛎 ether-05	і Б	ridge-ope	rations		

Enter the VLAN number in the **PVID** field and click Apply, then OK.

PVID	20

Multicast Filtering – Prior to 6.48

Multicast traffic conserves network resources. If one device were to send a single stream of data to multiple other devices on the network, it would take many times the amount of bandwidth. Multicast traffic reduces the load on the transmitting device by duplicating the traffic instead.

However, the switches in the system must be configured to handle multicast traffic or the network can become flooded with this traffic. Without a solution in place, this traffic will be sent to every port – often bringing the network down. Use the following methods to prevent this from happening.

Note: This method is deprecated and will be removed in future firmware versions!

On systems prior to version 6.48:

Select the **Interfaces** option from the left toolbar. Select the **Interface List** tab. Enable the MAC Filter for each port that will receive multicast traffic and ONLY the ports that will receive multicast traffic.

CIS Switch Status	RouterOS v6.48 (stable)							
Interfaces	· · · · · · · · · · · · · · · · · · ·							
argent CIS Support	Interface List Ethernet							
💥 Bridge								
IP 🕨	Lists	Lists						
📑 Routing 🛛 🕨								
🔯 System 🕨	4 items							
🗙 Tools 🔹 🕨		▲ List	Interface					
🥎 Undo	Ε Χ	MAC FILTER	ether-02					
🎓 Redo	Ε Χ	MAC FILTER	ether-03					
Hide Passwords	Ε Χ	MAC FILTER	ether-04					
	E X	MAC FILTER	ether-05					

Multicast Filtering – 6.48 and Newer

Switches 6.48 and newer only – By enabling **IGMP Snooping**, multicast traffic will be automatically forwarded to only the devices that request it. Select the **Bridge** option from the left toolbar. Click on the bridge entry.

CIS Switch Status	Route	rOS v	5.48 (stable)			
Interfaces						
≟≣ CIS Support	Bridge	Ports	Port Extensions	VLANs Hosts		
👯 Bridge						
55 IP 🕨	1 item					
📌 Routing 🔹 🕨	1 item					
🔯 System 🕨			🛦 Name	Туре	Тх	Rx
🔀 Tools 🔹 🕨		D	A bridge-operations	Bridge	83.0 kbps	11.9 kbps
👆 Undo		ĸ	Bridge-operations	bridge	00.9 Kbps	11.5 KDp3
Aredo Redo						

Enable **IGMP Snooping**. Click Apply, then OK.

OK Cancel Apply	
not invalid running not slave	
Name	bridge-operations
Туре	Bridge
IGMP Snooping	

Multicast Querier

The multicast querier option is required for many multicast systems to function correctly. With this enabled, the switch will periodically check to determine if devices are still requiring a multicast stream.

MLD Version	1 •
Multicast Router	Temporary Query 🗸
Multicast Querier	

PoE Information and Settings

PoE-Out Modes:

<u>Auto-on mode (default)</u>

When selected, auto-on mode checks for resistance on the host device and will automatically supply power to devices that require it. It will not damage non-PoE devices.

Forced-on mode

When selected, the switch applies power on pins 4,5(+) and 7,8(-), even if no cable is attached.

Be careful plugging non-PoE devices into a port when Forced-on is selected. **You may damage your device!**

<u>Off mode</u>

When selected, the switch will not supply power to connected devices.

PoE-Out limitations

The CIS-SW-POE provides 450 mA for PoE per port and a maximum output of 2A.

Enable/Disable PoE

Select the port from the **Interfaces** tab. Change the PoE Out option accordingly.

	PoE
PoE Out	auto on 🖌
PoE Priority	10
Power Cycle Ping Enabled	
Power Cycle Interval	
PoE Out Status	powered on
PoE Out Current	120 mA
PoE Out Voltage	
PoE Out Power	6.7 W

Tools

UPnP

Universal Plug and Play enables your switch to easily discover other devices located on the network and vice-versa. If you require UPnP, select it under the **IP** tab in the toolbar, then enable it. UPnP has implications on the security of the device, and it is recommended you leave it disabled unless required.

CIS Switch Status	RouterOS v6 48 (stable)	
Interfaces		
🏣 CIS Support		UPnP Settings
💥 Bridge		
255 IP 🔻	Apply	
Addresses		
DHCP Client	Enabled 🔽	
UPnP		
📑 Routing 🔹 🕨		
🔯 System 🕨		
🔀 Tools 🔹 🕨		

Ping

Ping uses Internet Control Message Protocol (ICMP) echo messages to determine if a remote device is active. It will also provide the round-trip time between the hosts. Enter the IP address of the device and select Start to begin. Ping devices on your network to see if they are online, or ping devices over the internet to confirm connectivity. Google's DNS server at 8.8.8.8 is a common target.

Bridge	Start Stop	Close					
Routing System	1 of 1 packets rece	eived 0 % pack	et loss Min: 7 ms	Avg: 7 ms Max	: 7 ms		
Tools V IP Scan							General
Ping Torch	Ping To	8.8.8.8 Enter Specific If	P of Device				
Traceroute	Timeout	1000	ms				
r) ondo							Advanced
Hide Passwords	Packet Size	50					
	#	Seq #	Host	Time	Reply Size	TTL	Status
	0	0	8.8.8.8	7	50	118	

IP Scan

The IP scan tool locates devices on the network. It can also locate devices that have a static IP set internally if they are on the same network as the switch.

To use the IP scan tool, select the network you wish to scan on (bridge-operations is default), then enter the network address and subnet mask using CIDR notation.

CIS Router Status	RouterOS v6.47.7 (stable)							
💭 Wi-Fi Manager								
Interfaces							IP Scan	
IP 🕨								
🔯 System 🕨	Start Stop Close							
🔀 Tools 🛛 🔻								
IP Scan	Interface	▲ bridge-op	perations 🗸					
Platinum Monitoring		Select Bridg	ge Interface					
Ping		10.100.1.0	0/24					
Torch	Address Range	Enter Netw	ork Address and Subnet	Mask				
Traceroute				_				
🥎 Undo	#	Address	MAC Address	Time (ms)	DNS	SNMP	Netbios	
Aedo 🥐]							

Select **bridge-operations** and enter **10.100.1.0/24** as the address range. You may have multiple interfaces and address ranges depending on your configuration. Most use a /24 network size.

Troubleshooting

Symptom	Possible causes
The PoE access point, switch, or other powered device will not turn on.	 The CIS-SW-POE requires the 48v power supply to power non-CIS devices (802.3af/at devices). Try changing the PoE mode to "forced on" from the interfaces menu. Remember, never force PoE on a non-PoE device! Select the appropriate voltage when setting the power to "forced on". 802.3af/at devices will require "high" voltage.
I can't get VLANs to work correctly.	 The router must be configured to work with VLANs for most operations. Ensure the trunk ports are tagged correctly. Contact CIS for assistance.
I can't get a connection when using the SFP port.	 CIS recommends DAC SFP cables such as the CIS-SFP-001 and 003, though other SFP modules are compatible. Ensure the SFP cables are inserted completely. There should be a slight click as they are inserted. They will slide in most of the way when upside down but will not fit completely. Check the interface status. Click Interfaces, then the Ethernet tab. Click on the SFP port in question. Determine if it is passing traffic. Consider disabling auto negotiation and setting the speed and duplex manually.
I can't enable IGMP Snooping.	 Some features are unavailable before firmware version 6.48. Contact CIS to perform a firmware upgrade your equipment.

Warranty Information

Custom Integration Solutions™ products have a 2-Year Limited Warranty. This warranty includes parts and labor repairs on all components found to be defective in material or workmanship under normal conditions of use. This warranty shall not apply to products that have been abused, modified, or disassembled. Products to be repaired under this warranty must be returned to Custom Integration Solutions™ or a designated service center with prior notification and an assigned return authorization (RA) number.

Contact Information

Web: www.custom-integration-solutions.com Phone: Technical Support - (888) 976-3651 Email: activations@custom-integration-solutions.com

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The CIS-SW-POE is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EC.