



ECS2100

Web Quick Start



Product Highlight

- 2.65 cm high wall-mountable design (ECS2100-10PE)
- Fanless design (ECS2100-10T/P/PE/28T)
- 10G support (ECS2110-26T)
- Dual firmware/configuration
- IPv4/IPv6
- 802.3az and Green-Ethernet
- Industry standard command line interface (CLI), Web, SNMP v1/v2c/v3, and Telnet management
- Console port
- PoE timer
- Dashboard
- Auto firmware upgrade
- Dynamic Provision (via Option 66,67)



Default IP :
192.168.2.10

Default User :
admin/admin

A login interface for Edgecore devices. It features a red header with the "Edge-core" logo and a "DATA IN MOTION" watermark. Below the header, there are two input fields: "Username" and "Password", each preceded by a small icon (a person for username, a padlock for password). A "Login" button is positioned below the password field.

Edge-core

DATA IN MOTION

Username

Password

Login

READY FOR ALL YOUR NEEDS...

EDGECORE WEB-SMART PRO ECS2100 SERIES



Scalability for Big
& Small Network



Edgecore
Smart IT Network



Complete PoE
Product Line



Comprehensive QoS
and Enhanced Security





Dashboard and Main Menu

Edge-core® ECS2100-10T Link Up Link Down Admin Down Unit 1 Mode Active

Port Status

Main Menu

- Dashboard
- System
- Interface
- VLAN
- MAC Address
- Spanning Tree
- Traffic
- Security
- Administration
- Tool
- IP Service
- Multicast

Save Config

Dashboard

Switch Information

Switch Model	ECS2100-10T
Up Time	0 days, 0 hours, 24 minutes, and 13.99 seconds
Serial Number	EC1612001513
Hardware Version	R01
Loader Version	0.1.1.6
Firmware Version	1.1.2.0

Switch Event

0: Emergency (0)
1: Alert (0)
2: Critical (0)
3: Error (0)
4: Warning (3)
5: Notice (0)
6: Informational (47)
7: Debug (6)

CPU Utilization

100%
50%
0%

19:28:00

Memory Utilization

Used Size 44%
Free Size 56%

Logout



IP Management (Per VLAN)

* Multiple IP Support

Edge-core ECS2100-10T Link Up Link Down Admin Down Unit: 1 Mode: Active

System > IP

Step: 1. Configure Interface Action: Show Address

VLAN: 1 IP Address Mode: User Specified

Routing Interface IP List Total: 1

	IP Address Type	IP Address	Subnet Mask
<input type="checkbox"/>	Primary	192.168.2.10	255.255.255.0

Step: 1. Configure Interface Action: Add Address Show Address Add Address

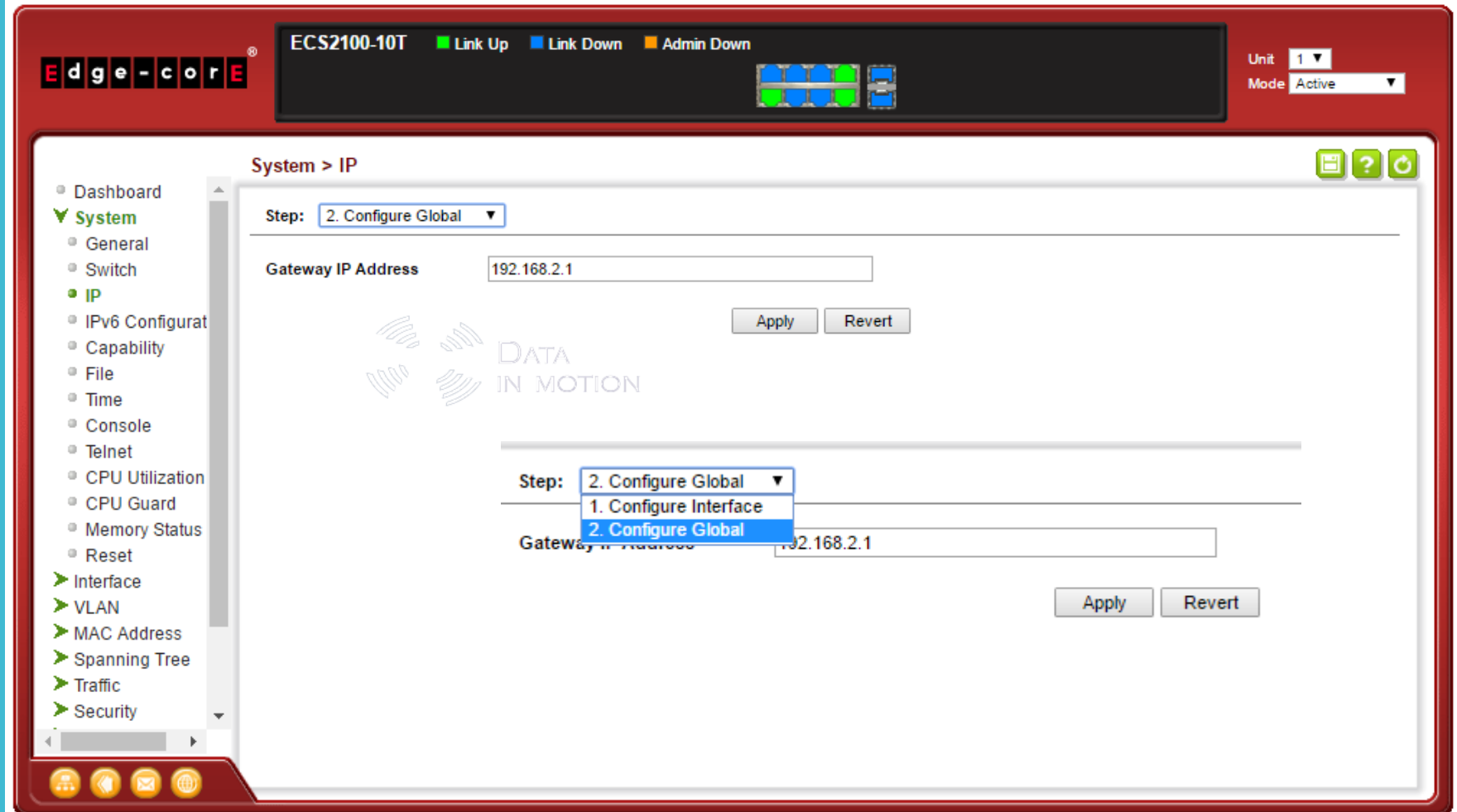
VLAN: 1 IP Address Mode: User Specified IP Address Type: Primary IP Address: 192.168.2.10 Subnet Mask: 255.255.255.0

Restart DHCP Click this button to resend DHCP client request.

Apply Revert



Default Gateway





NTP

Edge-core ECS2100-10T Link Up Link Down Admin Down Unit: 1 Mode: Active

System > Time

Step: 1. Configure General

Current Time: 2016-4-16 10:0:2
Maintain Type: SNTP

SNTP Configuration
SNTP Polling Interval (16-16384): 3600 sec

Step: 2. Configure Time Server

Action: Configure SNTP Server

SNTP Server IP Address 1: 192.168.2.1
SNTP Server IP Address 2:
SNTP Server IP Address 3:

Step: 3. Configure Time Zone

Predefined Configuration: GMT-1200-International-Date-Line-West
User Defined Configuration:

Apply Revert



Interface

E d g e - c o r e ECS2100-10T ■ Link Up ■ Link Down ■ Admin Down

Unit **1** Mode **Active**

Interface > Port > General

Action: **Configure by Port List**

Port List Total: 6

Port	Type	Name	Admin	Media Type	Autonegotiation	Speed Duplex	Flow Control	Link Up Down Trap
1	1000BASE-T	Port1	Enabled	None	<input checked="" type="checkbox"/> Enabled <input checked="" type="checkbox"/> 10h <input checked="" type="checkbox"/> 100h <input checked="" type="checkbox"/> 1000f <input type="checkbox"/> FC <input checked="" type="checkbox"/> 10f <input checked="" type="checkbox"/> 100f <input type="checkbox"/> Sym	100full	<input type="checkbox"/> Disabled <input checked="" type="checkbox"/> Enabled	<input checked="" type="checkbox"/> Enabled <input type="checkbox"/> Disabled
3	1000BASE-T		Enabled	None	<input checked="" type="checkbox"/> Enabled <input checked="" type="checkbox"/> 10h <input checked="" type="checkbox"/> 100h <input checked="" type="checkbox"/> 1000f <input type="checkbox"/> FC <input checked="" type="checkbox"/> 10f <input checked="" type="checkbox"/> 100f <input type="checkbox"/> Sym	100full	<input type="checkbox"/> Disabled <input checked="" type="checkbox"/> Enabled	<input checked="" type="checkbox"/> Enabled <input type="checkbox"/> Disabled
5	1000BASE-T		Enabled	None	<input checked="" type="checkbox"/> Enabled <input checked="" type="checkbox"/> 10h <input checked="" type="checkbox"/> 100h <input checked="" type="checkbox"/> 1000f <input type="checkbox"/> FC <input checked="" type="checkbox"/> 10f <input checked="" type="checkbox"/> 100f <input type="checkbox"/> Sym	100full	<input type="checkbox"/> Disabled <input checked="" type="checkbox"/> Enabled	<input checked="" type="checkbox"/> Enabled <input type="checkbox"/> Disabled
6	1000BASE-T		Enabled	None	<input checked="" type="checkbox"/> Enabled <input checked="" type="checkbox"/> 10h <input checked="" type="checkbox"/> 100h <input checked="" type="checkbox"/> 1000f <input type="checkbox"/> FC <input checked="" type="checkbox"/> 10f <input checked="" type="checkbox"/> 100f <input type="checkbox"/> Sym	100full	<input type="checkbox"/> Disabled <input checked="" type="checkbox"/> Enabled	<input checked="" type="checkbox"/> Enabled <input type="checkbox"/> Disabled

Port Description

Check Fiber Info (DDM)



Static VLAN

* Max 8 Groups

The image shows a screenshot of the Edge-core network management interface. At the top, there's a header bar with the 'Edge-core' logo and a status bar for 'ECS2100-10T' showing 'Link Up' (green), 'Link Down' (blue), and 'Admin Down' (orange) indicators. A port status diagram is also visible. On the right, there are dropdowns for 'Unit' (set to 1) and 'Mode' (set to Active).

The main content area is titled 'VLAN > Static'. It features a sidebar menu on the left with options: Dashboard, System, Interface, VLAN (selected), Protocol, MAC-Based, MAC Address, Spanning Tree, Traffic, Security, Administration, Tool, IP Service, and Multicast. Under 'VLAN', 'Static' is selected.

The main panel shows a 'Static VLAN List' with a total of 1 entry. Above the list is an 'Action:' dropdown set to 'Show'. The table has columns: 'VLAN ID', 'VLAN Name', 'Status', and 'Remote VLAN'. The single entry is for VLAN ID 1, named 'DefaultVlan', with status 'Enabled' and 'Remote VLAN' 'Disabled'. Below the table, there's a dropdown menu with options: Show (selected), Add, Show, Modify, Edit Member by VLAN, Edit Member by Interface, and Edit Member by Interface Range. To the right of the dropdown are 'Delete' and 'Revert' buttons.

VLAN ID	VLAN Name	Status	Remote VLAN
1	DefaultVlan	Enabled	Disabled



Show Static Trunk

The interface is titled "Edge-core" and displays the configuration for a device labeled "ECS2100-10T". It includes status indicators for "Link Up" (green), "Link Down" (blue), and "Admin Down" (yellow). A port diagram shows two active ports. The "Unit" is set to 1 and the "Mode" is "Active".

The navigation menu on the left includes: Dashboard, System, Interface, Port, Trunk, Static, Dynamic, Statistics, Chart, Load Balance, History, Green Ethernet, Mirror, RSPAN, Traffic Segment, VLAN, MAC Address, Spanning Tree, Traffic, Security, and Administration.

The main content area is titled "Interface > Trunk > Static". It shows the "Step: 1. Configure Trunk" and "Action: Show Member". The "Trunk" is set to 2. Below this is a "Member List" table with a total of 2 members.

	Member (Unit/Port)
<input type="checkbox"/>	1/2
<input type="checkbox"/>	1/4

Buttons for "Delete" and "Revert" are located below the table.



Add VLAN

Edge-core[®]

ECS2100-10T Link Up Link Down Admin Down

Unit **1**
Mode **Active**

VLAN > Static

Action: **Show**

Static VLAN List Total: 4

<input type="checkbox"/>	VLAN ID	VLAN Name	Status	Remote VLAN
<input type="checkbox"/>	1	DefaultVlan	Enabled	Disabled
<input type="checkbox"/>	2048		Enabled	Disabled
<input type="checkbox"/>	2049		Enabled	Disabled
<input type="checkbox"/>	2050		Enabled	Disabled

Delete **Revert**

Action: **Add**

VLAN ID (1-4094) -

Status ☒ Enabled


Remote VLAN ☐ Enabled

Apply **Revert**



Static Trunk

* Trunk \neq VLAN

Edge-core ECS2100-10T Link Up Link Down Admin Down  Unit **1** Mode **Active**

Interface > Trunk > Static

Step: 1. Configure Trunk Action: Add

Trunk ID (1-8)

Member Unit **1** Port **2**

Step: 1. Configure Trunk Action: Add Member

Trunk **2**

Member Unit **1** Port **3**

- Dashboard
- System
- Interface
 - Port
 - Trunk
 - Static
 - Dynamic
 - Statistics
 - Chart
 - Load Balance
 - History
 - Green Ethernet
 - Mirror
 - RSPAN
 - Traffic Segment
- VLAN
- MAC Address
- Spanning Tree
- Traffic
- Security
- Administration



LACP (Dynamic Trunk) – 802.3ad

Edge-core ECS2100-10T ■ Link Up ■ Link Down ■ Admin Down

Unit **1** Mode **Active**

Interface > Trunk > Dynamic

Step: **2. Configure Aggregation Port** Action: **Configure**

☒ General ☐ Actor ☐ Partner

Port List Total: 10

Port	LACP Status
1	<input type="checkbox"/> Enabled
2	<input type="checkbox"/> Enabled
3	<input type="checkbox"/> Enabled
4	<input type="checkbox"/> Enabled
5	<input type="checkbox"/> Enabled
6	<input type="checkbox"/> Enabled
7	<input checked="" type="checkbox"/> Enabled
8	<input checked="" type="checkbox"/> Enabled
9	<input type="checkbox"/> Enabled
10	<input type="checkbox"/> Enabled

Step: **2. Configure Aggregation Port** Action: **Show Information**

☐ Counters ☐ Internal ☒ Neighbors

Port **8** Trunk ID **1**

Port Neighbors Information

Partner Admin System ID	32768.00-00-00-00-00-00
Partner Oper System ID	65535.D4-CA-6D-D8-62-15
Partner Admin Port Number	8
Partner Oper Port Number	2
Port Admin Priority	32768
Port Oper Priority	255
Admin Key	0
Oper Key	9
Admin State	Defaulted, Distributing, Collecting, Synchronization, Long timeout
Oper State	Distributing, Collecting, Synchronization, Aggregation, Long timeout, LACP-activity

1. Configure Aggregator
2. Configure Aggregation Port
3. Configure Trunk

Apply **Revert**



LACP Info

Edge-core ECS2100-10T ■ Link Up ■ Link Down ■ Admin Down

Unit: 1 Mode: Active

Interface > Trunk > Dynamic

Step: 3. Configure Trunk Action: Show

Dynamic Trunk List Total: 1

Trunk	Type	Name	Admin	Oper Status	Shutdown Reason	Autonegotiation	Oper Speed Duplex	Oper Flow Control	Link Up Down Trap
1	1000BASE-T		Enabled	Up		Enabled	100full	None	Enabled

Step: 3. Configure Trunk Action: Configure

Dynamic Trunk List Total: 1

Trunk	Type	Name	Admin	Autonegotiation	Speed Duplex	Flow Control	Link Up Down Trap
1	1000BASE-T		Enabled	<input checked="" type="checkbox"/> Enabled <input type="checkbox"/> 10h <input type="checkbox"/> 100h <input type="checkbox"/> 1000f <input type="checkbox"/> FC <input type="checkbox"/> 10f <input type="checkbox"/> 100f <input type="checkbox"/> Sym	100full	Enabled	Enabled

Trunk: 1

Member List Total: 2

Member (Unit/Port)
1/7
1/8

Arrows indicate the flow from the summary table to the configuration table, and from the configuration table to the member list.



Modify VLAN Name

Edge-core ECS2100-10T Link Up Link Down Admin Down Unit **1** Mode **Active**

VLAN > Static

Dashboard
System
Interface
VLAN
 Static
 Protocol
 MAC-Based
 MAC Address
 Spanning Tree
 Traffic
 Security
 Administration
 Tool
 IP Service
 Multicast

Action: Add
Show
Modify
Static VLAN
 Edit Member by VLAN
 Edit Member by Interface
 Edit Member by Interface Range

		VLAN Name	Status	Remote VLAN
<input type="checkbox"/>	1	DefaultVlan	Enabled	Disabled
<input type="checkbox"/>	2048	2048	Enabled	Disabled
<input type="checkbox"/>	2049	2049	Enabled	Disabled
<input type="checkbox"/>	2050	2050	Enabled	Disabled

Delete Revert

Action: Modify

VLAN ID (1-4094) 2050

VLAN Name ModifyText

Status ☒ Enabled

Apply Revert



Assign VLAN to Port (by VLAN)

*1Q Trunk = tag only
*Hybrid = Native

Edge-core ECS2100-10T ■ Link Up ■ Link Down ■ Admin Down

Unit 1 Mode Active

VLAN > Static

Action: Edit Member by VLAN

VLAN: 1 (selected), 2048, 2049, 2050

Interface: ☐ Trunk

Static VLAN Port Member List Total: 10

Port	Mode	PVID (1-4094)	Acceptable Frame Type	Ingress Filtering	Membership Type			
					Tagged	Untagged	Forbidden	None
1	1Q Trunk ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2	1Q Trunk ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3	Hybrid ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4	Hybrid ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5	Access ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
6	Hybrid ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
7	Hybrid ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>
8	Hybrid ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
9	Hybrid ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
10	Hybrid ▼	1	All ▼	<input checked="" type="checkbox"/> Enabled	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Apply Revert

Assign VLAN to Trunk (by VLAN)





Assign VLAN to Port (by Interface)

Edge-core ECS2100-10T Link Up Link Down Admin Down Unit: 1 Mode: Active

VLAN > Static

Action: Edit Member by Interface

Interface: ☒ Port 5 ☐ Trunk

Mode: Access

PVID: 2048

Acceptable Frame Type: All

Ingress Filtering: ☒ Enabled

Static VLAN Membership List Total: 4

VLAN	Membership Type			
	Tagged	Untagged	Forbidden	None
1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
2048	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
2049	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>
2050	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>

Apply Revert



Assign VLAN to Port (by Interface Range)

Edge-core ECS2100-10T Link Up Link Down Admin Down Unit: 1 Mode: Active

VLAN > Static

Action: Edit Member by Interface Range

Interface: ☒ Port ☐ Trunk

Port Range (1-10): 1 - 5

Mode: 1Q Trunk

VLAN ID (1-4094): 2040 - 2050

Membership Type: ☒ Tagged ☐ Untagged ☐ Forbidden ☐ None

Apply Revert

Hybrid 1Q Trunk Access



Dynamic Mac Address

E

d

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e

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e

ECS2100-10T

Link Up

Link Down

Admin Down

Unit

1

Mode

Active

MAC Address > Dynamic

Action:

Show Dynamic MAC

Query by:

Sort Key

MAC Address

MAC Address

(XX-XX-XX-XX-XX-XX or XXXXXXXXXXXX)

VLAN

1

Interface

Port

1

Trunk

1

Query

Dynamic MAC Address List

Total: 3

MAC Address	VLAN	Interface	Type	Life Time
18-03-73-5B-19-C2	1	Trunk 2	Learn	Delete on Timeout
D4-CA-6D-D8-62-15	1	Trunk 1	Learn	Delete on Timeout
D4-CA-6D-D8-62-16	1	Trunk 1	Learn	Delete on Timeout



User / password

* Use Plain Password

Edge-core ECS2100-10T Link Up Link Down Admin Down Unit: 1 Mode: Active

Security > User Accounts

Action: Show

User Account List Total: 2

	User Name	Access Level
<input type="checkbox"/>	admin	15
<input type="checkbox"/>	guest	0

Action: Modify

User Name: admin

Access Level: 15

Password Type: Plain Password

Password: ****

Confirm Password: ****



LBD (Loopback detection)

Protect VLAN Loop

Edge-core ECS2100-10T Link Up Link Down Admin Down Unit: 1 Mode: Active

Security > User Accounts

Action: Modify

User Name: admin
Access Level: 15
Password Type: Plain Password
Password: ****
Confirm Password: ****

Apply Revert

Step: 2. Configure Interface

Interface: ☒ Port ☐ Trunk

Port List Total: 6

Port	Admin State	Operation State	Looped VLAN
1	<input checked="" type="checkbox"/> Enabled	Normal	None
3	<input checked="" type="checkbox"/> Enabled	Normal	None
5	<input checked="" type="checkbox"/> Enabled	Normal	None
6	<input checked="" type="checkbox"/> Enabled	Normal	None
9	<input checked="" type="checkbox"/> Enabled	Normal	None
10	<input checked="" type="checkbox"/> Enabled	Normal	None

Apply Revert



Factory Reset

Edge-core® ECS2100-10T ■ Link Up ■ Link Down ■ Admin Down

Unit: 1 Mode: Active

System > File

☐ Dashboard
☒ **System**
 ☐ General
 ☐ Switch
 ☐ IP
 ☐ IPv6 Configurat
 ☐ Capability
 ☒ **File**
 ☐ Time
 ☐ Console
 ☐ Telnet
 ☐ CPU Utilization
 ☐ CPU Guard
 ☐ Memory Status
 ☐ Reset
 ☒ Interface
 ☒ VLAN
 ☒ MAC Address
 ☒ Spanning Tree
 ☒ Traffic
 ☒ Security

Action: Set Start-Up

File List

	File Name	File Type	Start-Up	Modify Time	Size (bytes)
<input checked="" type="radio"/>	ECS2100_V1.1.2.0.bix	Operation Code	Y	2016-01-04 06:11:54	8069384
<input type="radio"/>	Factory_Default_Config.cfg	Config File	N	2016-01-04 06:09:35	477
<input checked="" type="radio"/>	startup1.cfg	Config File	Y	2016-01-04 06:09:39	879

Apply Revert

Action: Set Start-Up

File List Total: 3

	File Name	File Type	Start-Up	Modify Time	Size (bytes)
<input checked="" type="radio"/>	ECS2100_V1.1.2.0.bix	Operation Code	Y	2016-01-04 06:11:54	8069384
<input checked="" type="radio"/>	Factory_Default_Config.cfg	Config File	Y	2016-01-04 06:09:35	477
<input type="radio"/>	startup1.cfg	Config File	N	2016-01-04 06:09:39	879

Apply Revert



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