

L2 Edge ECS2000 Series Sales Kit

October, 2012

L2 Edge Switch Series Product Overview

GE Edge Switches without PoE

ECS2000-18T



- ◆ 16 10/100/1000Base-T
- ◆ 2G SFP uplink ports
- ◆ Fan-less Design

ECS2000-26T



- ◆ 24 10/100/1000Base-T
- ◆ 2G SFP uplink ports
- ◆ Fan-less Design

ECS2000-50T



- ◆ 48 10/100/1000Base-T
- ◆ 2G SFP uplink ports

GE Edge Switches with PoE

ECS2000-10P



- ◆ 8 10/100/1000Base-T
- ◆ 2G SFP uplink ports
- ◆ Fan-less Design

ECS2000-18P



- ◆ 16 10/100/1000Base-T
- ◆ 2G SFP uplink ports

ECS2000-26P



- ◆ 24 10/100/1000Base-T
- ◆ 2G SFP uplink ports

ECS2000-50P



- ◆ 48 10/100/1000Base-T
- ◆ 2G SFP uplink ports

Model Name	Speed	Copper	Fiber	SFP Gigabit Uplink	Combo Ports
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Non-PoE Models

ECS2000-18T	10/100/1000	16	0	2	0
ECS2000-26T	10/100/1000	24	0	2	0
ECS2000-50T	10/100/1000	48	0	2	0

PoE Models

ECS2000-10P	10/100/1000	8	0	2	0
ECS2000-18P	10/100/1000	16	0	2	0
ECS2000-26P	10/100/1000	24	0	2	0
ECS2000-50P	10/100/1000	48	0	2	0

	ECS2000-10P	ECS2000-18T	ECS2000-18P	ECS2000-26T	ECS2000-26P	ECS2000-50T	ECS2000-50P
Performance							
Switching Capacity	20Gbps	36Gbps	36Gbps	52Gbps	52Gbps	100Gbps	100Gbps
Forwarding Rate	14.9Mpps	26.8Mpps	26.8Mpps	38.7Mpps	38.7Mpps	74.4Mpps	74.4Mpps
Flash	8MB	16MB	16MB	16MB	16MB	16MB	16MB
SDRAM	64MB	128MB	128MB	128MB	128MB	128MB	128MB
MAC Address Table Size	8K	8K	8K	8K	8K	32K	32K

	ECS2000-10P	ECS2000-18T	ECS2000-18P	ECS2000-26T	ECS2000-26P	ECS2000-50T	ECS2000-50P
Operating conditions							
Operating temperature	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C	0°C ~ 50°C
Humidity (Operating and storage)	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%	10% ~ 90%
Fan	Fanless	Fanless	Fan * 2	Fanless	Fan * 2	Fan * 2	Fan * 2
Acoustic	0dB	0dB	< 45dB	0dB	< 45dB	< 45dB	< 45dB
IEEE 802.3af	O	X	O	X	O	X	O
IEEE 802.3at	O	X	O	X	O	X	O
PoE Power Budget	75W	-	190W	-	190W	-	500W

Switching Feature

- 8K MAC
- Flow control
- Broadcast/ Multicast/ Unknown unicast control
- Auto MDI/MDIX

Spanning Tree Protocol

- IEEE 802.1D/w/s
- STP fast forwarding/Auto Edge
- Loopback detection

VLAN

- **4K VLAN**
- Port-based VLAN
- MAC based VLAN
- 802.1Q VLAN
- Voice VLAN
- Private VLAN
- Guest VLAN

Port Trunk

- Static trunk
- IEEE 802.3ad LACP

QoS

- **8 hardware queues**
- 802.1p CoS
- CoS based on DSCP, TCP/UDP Port, ACL
- WRR/Strict or Hybrid
- Ingress traffic policing
- Egress traffic shaping
- Rate limiting

Multicast control

- IGMP snooping v1/v2/v3
- IGMP Querier
- IGMP snooping
- Immediate leave

Security

- Port security (dynamic & static)
- Port security intrusion action
- 802.1x Port-based authentication
- 802.1x MAC-based authentication
- Web authentication
- MAC authentication
- **MAC filtering**
- **DHCP snooping**
- ARP Inspection
- **IP Source Guard**
- Access Control List
- AAA (Authentication, Authorization, Accounting)
- SSH v1/v2
- SSL/HTTPS
- Management access filter (WEB/SNMP/Telnet)

Management

- Telnet/WEB/SNMP v1/v2/v3
- RMON(1,2,3,9)
- **sFlow**
- TFTP/HTTP download
- DHCP client/relay/server
- Time zone for SNTP
- Event/error log, system log
- Auto upgrade
- Port mirroring
- LLDP (802.1ab)
- **Cable diagnostic**

IPv6

- IPv4/IPv6 Dual Protocol Stack
- IPv6 Address types: Unicast
- IPv6 Neighbor Discovery
- SNMP over IPv6
- HTTP over IPv6
- Remote IPv6 ping



- ❑ Compliant with IEEE 802.3af

 - PD classification

- ❑ Support IEEE 802.3at

 - Up to 30W per port and up to total power budget

- ❑ Centralized power distribution

 - Simultaneously 8/16/24/48 ports can support a maximum of 7.5W per port

 - Simultaneously 4/8/12/24 ports can support a maximum of 15.4W per port

 - Simultaneously 2/4/6/12 ports can support a maximum of 30W per port

PoE Features (II)

Model No	Max Power Consumption (system)	Max Power Consumption	Max PoE Power Budget	AF(7.5W)	AF(15.4W)	AT(30W)
ECS2000-18P	AC 110V 26.16W AC 220V 27.30W DC 15.42W	250W	190W	16 ports	Any 12 ports	Any 6 ports
ECS2000-26P	AC110V 33.11W AC220V 33.89W DC 20.54W	250W	190W	24 ports	Any 12 ports	Any 6 ports
ECS2000-50P	AC110V 67.93W AC220V 67.8W DC 47.8W	525W	375W	48 ports	Any 24 ports	Any 12 ports

❑ Hardware specification that endures from 0 °C to 50 °C

❑ Green Ethernet Switch (EEE)

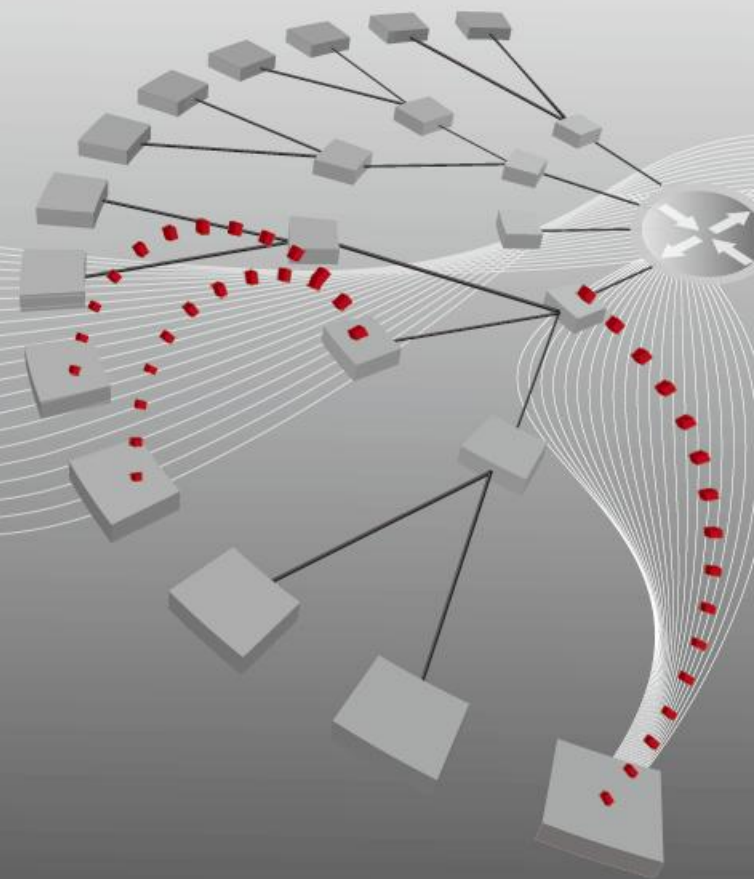
❑ Reset Button

The switch will automatically reboot and reloads its factory default configuration.

❑ Enhanced Securities

- DHCP Snooping and Option 82
- Web authentication and MAC authentication
- Voice VLAN

- ❑ Price competitive
- ❑ Focus solution for enterprise and campus markets
- ❑ Support IPv6 management
- ❑ Support IEEE 802.3at PoE+
- ❑ Full & complete family offers more options and choices for our customers
- ❑ ECView Pro will need to implement configuration/firmware upload and download in phase II.
- ❑ Phase II will add MIBs and PoE timer feature.



Thank you!