**Technical Specifications**

**Port Standards**

802.3 10Base-T Ethernet
802.3u 100Base-TX Ethernet
802.3ab 1000Base-T Ethernet
802.3x Full-Duplex Flow Control

**Network Ports**

10 10/100/1000 Mbps Ports + 2x SFP Ports

**Switching Capacity**

24Gbps

**SDRAM**

256MB

**Flash Memory**

32MB

**PoE Capable Ports**

1-8

**Total PoE Budget**

130w

**Power Source**

100 ~ 240VAC, 50-60Hz

**Physical Interface**

**LED Indicators**

Power LED
Fault LED
PoE Max LED
LAN Mode LED
PoE Mode LED

**Ports**

Link/Activity/Speed (per Ethernet port)
Link/Activity/Speed (per SFP slot)

**L2 Features**

**Network Management**

EnGenius Cloud
ezMaster
Local Web GUI

 **MAC Address Table**

8K

 **Jumbo Frame**

9K

 **Multicast Group**

Max 256 groups

**MLD Snooping**

MLD Snooping: v1

**QoS-Number of Priority Queues Supported**

Queue 8

**Trust Mode**

Cos/802.1p

**DSCP**

CoS/802.1p-DSCP

**Scheduling Mechanism**

Strict / WRR/ Strict + WRR

 **Bandwidth Control**

Port-based bandwidth control (Ingress/Egress)

**Port Security**

Max. 256 Entries

**Access Control List (ACL)**

MAC Based ACL
IPv4/IPv6 Based ACL
ACL Binding

**Web Graphical User Interface (GUI)**

HTTP IPv4 / IPv6
HTTPS IPv4 / IPv6

**SSL Certificate**

Certificate/Key Import

**SNMP**

SNMP v1/v2c/v3 Support

**RMON**

RMON 1,2,3,9

**System Time**

Time Setting/Daylight saving

**Common L2 Features**

802.1d Spanning tree
Loopback Detection
Multicast Filitering
IGMP Multicast Forwarding
IGMP Snooping
MLD Multicast Forwarding
802.1Q VLAN tagging
802.3x flow control
802.3ad Link Aggregation
IPv4 DHCP Relay
IPv4 DHCP Snooping
IPv4 DHCP Snooping Source MAC Address Check-up
ARP Inspection
ARP Packet Validation (additional validation checks)
Voice VLAN
Port-based VLAN
Protocol-Based VLAN
CoS Mapping
802. 1X Radius Authentication Protocol
IEEE 802. 3az Energy Efficeient Ethernet (EEE)
Command Line Interface (CLI)
SSH Server
Telnet Server
TFTP Client
Configuration Upgrade/ Backup
Simple Network Time Protocol (SNTP)
SYSLOG
802.1d Spanning tree

**L3 Features**

**Multiple IP Interface**

20 IPv6 address

**ARP Table**

Max. 192 ARP entries

**Static ARP**

Static 192 ARP entries

**IPv4 Static Route**

Max. 63 entries

**IPv6 Static Route**

Max. 21 entries

**Environmental & Physical**

**Temperature Range**

Operating: 32°F to 122°F (0°C to 50°C)

**Humidity (Non-Condensing)**

Operating: 5% – 95%

**Dimensions & Weight**

**ECS1112FP Device**

Weight: 1.9Kg
Width: 330mm
Length: 229mm
Height: 44mm

**Package Contents**

1x ECS Managed Gigabit Switch
1x Quick Installation Guide
1x Power Cord
1x RJ45 Console Cable
1x Rack Mount Kit

**Warranty**

2 year