

TRANSFORMING THE WAY THE WORLD
CONNECTS

PRODUCT CATALOGUE 2018



CONTENTS

OPEN NETWORKING.....	07
CHASSIS.....	08
SERVICE PROVIDER vOLT.....	09
DATA CENTER INTERCONNECTION SWITCH.....	10
WEDGE.....	10
100G.....	11
40G.....	12
25G.....	12
10G.....	13
1G.....	14
COMMERCIAL NETWORKING OS OPTIONS.....	15
ENTERPRISE SWITCHES.....	19
LAYER 3.....	20
LAYER 2+ / L3 LITE.....	22
INDUSTRIAL SWITCHES.....	24
WEB-SMART PRO SWITCHES.....	25
WEB-SMART SWITCHES.....	25
MODULES.....	26
ACCESORIES AND CABLES (TRANSCIVERS PLUGGABLE OPTICS).....	26
NETWORK SOFTWARE.....	28
NETWORK MANAGEMENT SYSTEM.....	28
WIRELESS.....	30
WIRELESS CONTROLLER.....	32
WIRELESS INDOOR AP.....	33
WIRELESS OUTDOOR AP.....	34
WIRELESS HOTSPOT GATEWAY.....	35
GREEN FRIENDLY.....	37
SUPPORT AND SERVICE.....	38

Company Profile

Edgecore Networks Corporation is a wholly-owned subsidiary of Accton Technology Corporation, the leading network ODM. Edgecore Networks delivers wired and wireless networking products and solutions through channel partners and system integrators worldwide for data center, service provider, enterprise, and SMB customers. Edgecore Networks is a leader in open networking, providing a full line of 1GbE, 10GbE, 25GbE, 40GbE, 50GbE, and 100GbE open and OCP switches that offer a choice of NOS and SDN software for data center, telecommunications, and enterprise network use cases.

Headquartered in the Hsinchu Science Park in northern Taiwan, Edgecore Networks was established in 2004 and formally spun-off in 2010 into an independent subsidiary responsible for the global branded business of the Accton Technology Group (www.accton.com) with a global presence in the US, UK, Poland, Russia, Turkey, Brazil, Singapore, Indonesia, and India.

“**TRANSFORMING THE WAY THE WORLD CONNECTS**” is the slogan of the company. Edgecore Networks offers scalable, converged networking solutions to best meet different customer needs for data center, service provider, enterprise, and small and medium business users.

Vision

The growth of cloud computing and the Internet of Things, along with the rise of open-source technologies and communities, is transforming how IT is developed, delivered, and used by businesses and consumers. Within an ecosystem of commercial partners and open-source communities, Edgecore Networks delivers networking solutions based on open hardware and software platforms that increase choice, freedom, greater control, encourage and quicken innovation, lower TCO, and stimulate new business models.

Mission

Edgecore Networks develops and delivers industry-leading open networking hardware and software products for data centers, telecommunications service providers, managed service providers, and enterprises. Edgecore Networks is a leader in the open network ecosystem, delivering complete solutions to customers with a broad set of partners and providing a cost-competitive advantage over traditional networking.

The underlying philosophy of Edgecore Networks is to provide professional wired and wireless solutions from the edge to the core. With a strong focus on complete solutions that generate value for customers and assist with realizing the potential of a digital-network society, Edgecore Networks offers a broad product portfolio spanning 100G/50G/40G/25G/10G/1G switching, enterprise-level wireless, and network management tools. We provide industry-leading products that address our customers' network requirements in different market segments from network infrastructure, data center switches, core switches, access switches, and indoor/outdoor wireless access points.

We shape the future of the Internet by creating unprecedented value and opportunity for our customers, employees, investors, and ecosystem partners. We transform how people communicate and collaborate on a connected planet.

TRANSFORMING THE WAY THE WORLD
CONNECTS





OPEN NETWORKING

Open networking solutions are based on open standard, bare-metal hardware with a choice of independent open software for commercial NOS (Network Operating Systems), Open Source Software SDN, virtualization, and cloud orchestration. For years, hyper-scale data center operators have been enjoying the benefits of open networking solutions: reduced network equipment expenses, automated and accelerated provisioning of network capacity and services, greater control over the development of enhanced network services, flexibility to work with best-in-class suppliers, and reduced operating expenses. These open networking benefits are now available for many more networking use cases. Public and private cloud data centers of all sizes are being deployed with network fabric built from open leaf and spine switches. Edgecore Networks offers choices of hardware to meet open network deployment, from 1G, 10G, 25G and 40G, to 100G.



Platinum Level Tiered Membership - Edgecore is OCP Platinum Level Tiered Membership.



Freedom of choice - Edgecore switches support the broadest set of commercial and open source software choices in the industry, providing customers with alternatives to meet their specific requirements.



Greater control - Greater control over the development of enhanced network services, flexibility to work with best-in-class suppliers.



Rapid innovation - Rapid innovation through community and DevOps approach.



Reduced CAPEX and OPEX - Automated and accelerated provisioning of network capacity and services, these open network benefits are now available for many more network use cases, reduced network equipment expenses, and reduced operating expenses.

OPEN NETWORKING CHASSIS

The Open Modular Platform (OMP) is designed to support open source and commercial software options, and to integrate emerging network hardware technologies for lower capex, reduced power consumption, simplified cabling and reduced integration costs in high-capacity, high-bandwidth open networks.

- 256 x 100 GbE (OMP800) or 512 x 100 GbE (OMP1600)
- 4 fabric cards, up to 8 line cards, each with 32 x QSFP28 ports (OMP800)
- Full line-rate Layer 2 or Layer 3 forwarding
- Hot-swappable, load sharing, redundant AC power input options



OMP800 (OPEN MODULAR PLATFORM)
100G switching for data center spine, 256 x QSFP28 non-blocking switch ports, each supporting 1 x 100G, 2 x 50G, 1 x 40G, 4 x 25G or 4 x 10G

OPEN NETWORKING SERVICE PROVIDER vOLT

Edgecore Networks offers the industry's first white box OLT, which enables service providers to deploy 10G PON services from a central office R-architected as datacenter (CORD) infrastructure, which utilizes white box hardware and open source SDN and NFV software to lower equipment costs, increase service delivery agility, and leverage open technology. The design is an "Open Disaggregated OLT," contributed to the Telecom Infra Project (TIP) and OCP Telco Working Group to empower the open networking ecosystem.

- Disaggregated 10G PON OLT for R-CORD infrastructure
- XGS-PON: Conforms with AT&T XGS-PON Spec in OCP Telco Working Group
- 16 x XFP 10G PON
- 4 x QSFP28 100Gb
- Broadcom DNX Qumran switch silicon, Broadcom Maple PON silicon
- Agent for interface to vOLT-HA virtual OLT control software on servers in R-CORD



TELECOM INFRA PROJECT



ASFvOLT16
16-10G-port XGS-PON virtual Optical Line Terminal (vOLT) with 4 x 100G/40G QSFP28 fixed ports

OPEN NETWORKING DATA CENTER INTERCONNECTION SWITCH

The coherent switch is designed for data center and data center interconnection with 8 slots for ACO or DCO modules, which allow a leaf switch to include a variety of coherent optical ports as well as standard plugs.

- Full 3.2 Tb switching fabric and future 6.4 Tb switching fabric
- Redundant 60 mm fan (3+1 dual rotor fan assemblies)
- Redundant power (1+1 PSU)
- 200 G 16QAM coherent plug-in card and future 400G coherent plug-in card
- Line side plug-in (CFP2-ACO, 2xQSFP28, QSFP28), non-coherent/coherent subscription ratios (1:1 to 15:1) (also Grey Fibre/Color Fibre subscription ratios), ACO Plug and Play with automatic conditioning of the analogue line.



AS7716-24XC
100G coherent switching for data center and data center interconnection, 8 slots for ACO or DCO modules, 16 ports for QSFP28

OPEN NETWORKING WEDGE

The Edgecore Wedge 100 is a commercial product based on Facebook's Wedge 100 design. The Wedge 100 design is a 32 x 100 GbE top-of-rack switch optimized for web-scale data centers, which enables network operators to increase capacity with 25G and 100G networking.

- Open hardware design contributed by Facebook to the Open Compute Project
- 32 x QSFP28 ports in a compact 1RU form factor.
- Line-rate Layer 2 or Layer 3 forwarding of 3.2 Tbps full duplex.
- Hot-swappable, load-sharing, redundant AC PSUs or 12 V DC PSUs.



Wedge100-32X
32 x 100GbE QSFP28, front (port) to back (power) airflow direction, 4+1 hot-swappable fan module

OPEN NETWORKING 100G

Edgecore offers high performance bare-metal data center switches for top-of-rack and spine network deployment, flatter and scalable topologies, non-blocking fabric. The Edgecore 100GbE data center switch is the industry's first switch accepted by OCP.

- 32 x 100GbE QSFP28 ports.
- 5+1 hot-swappable fan modules
- Load-sharing, redundant AC
- Layer 2 or Layer 3 forwarding of 3.2 Tbps
- Power-to-port, port-to-power airflow



AS7700-32X Series
32 X 100GbE QSFP28



AS7816-64X
64 x 100GbE QSFP28

OPEN NETWORKING 40G

Edgecore supplies hyperscale cloud operators with TOR and spine switches that meet the most demanding performance, scale and reliability requirements.

- 32 x 40GbE QSFP+ ports
- Hot-swappable fan modules
- Layer 2 or Layer 3 forwarding of 1.28 Tbps
- Intel Atom C2538 CPU
- Power-to-port, port-to-power airflow
- Design accepted by the Open Compute Project as an open standard



AS6812-32X/AS6712-32X
Fixed Ports : 32 x 40GbE QSFP+

OPEN NETWORKING 25G

Edgecore provides 25GbE high-performance Top-of-Rack (TOR) or spine data center switch, designed for high-performance computing clusters and high-frequency trading applications, supporting 10/25 GbE to servers with 40/100 GbE uplinks, or as a spine switch supporting 40/100 GbE spine interconnects.

- 48 x 25GbE SFP28 ports, 6 x 100GbE QSFP28
- 5 + 1 hot-swappable fan modules
- Load-sharing, redundant AC PSUs
- Layer 2 or Layer 3 forwarding of 1.8 Tbps
- Power-to-port, port-to-power airflow



AS7312-54XS
48 x 25GbE SFP28, 6 x 100GbE QSFP28

OPEN NETWORKING 10G

Edgecore is a leader in the OCP Networking Project, with a full set of open switches based on its OCP-accepted design contributions: a 10GbE TOR switch which was the first switch ever accepted by OCP. The AS5712-54X has been recognized as one of the 20 Best Products of 2015 by Network World.

- 48 X 10GbE SFP+ ports
- Hot-swappable fan modules
- Load-sharing, redundant AC or -48V DC or 12V DC PSUs.
- Layer 2 or Layer 3 forwarding of 720 Gbps (AS5700 Series)
- Layer 2 or Layer 3 forwarding of 640 Gbps
- Power-to-port, port-to-power airflow
- AS5712 design accepted by the Open Compute Project as an open standard



AS5912-54XK
48 x 10GbE SFP+, 6 x 100GbE QSFP28 with external TCAM



AS5912-54X
48 x 10GbE SFP+, 6 x 100GbE QSFP28



AS5712-54X/ AS5812-54T/ AS5812-54X
48 x 10GbE SFP+, 6 x 40GbE QSFP+

OPEN NETWORKING 1G

Edgecore 1 GbE data center switch is ideal as a data center top-of-rack switch or IPMI (Intelligent Platform Management Interface) switch. PoE functionality; all ports on PoE SKUs simultaneously support 802.3af/at.










- 24 / 48 x 1GbE Base-T
- Hot-swappable, load-sharing, redundant AC PSUs.
- Layer 2 or Layer 3 forwarding of 128Gbps
- Embedded ARM processor CPU
- First GbE PoE access model for Open Networking in the enterprise.
- Design submitted to the Open Compute Project as an open standard



AS4610-54T/54P, AS4610-30T/30P
24 / 48 x 1GbE Base-T + 4 x 10G SFP+ uplink ports,
and 2 x 20G QSFP+

OPEN NETWORKING COMMERCIAL NETWORKING OPERATING SYSTEM OPTIONS

All Edgecore open network switches support the Open Network Install Environment (ONIE) for automated loading of compatible NOS software. Edgecore open network switches are supported by the following commercial software.

-  - **ADARA Networks:** Performance-based SDN software with ADARA Network O/S, Sky SDN Controller and CloudFabric Cloud Management Platform.
-  - **Big Switch Networks:** Big Monitoring Fabric™ and Big Cloud Fabric™ SDN applications through SwitchLight OS agent on Edgecore switches.
-  - **Cumulus Linux:** Web-scale Linux operating system, enabling use of Linux tools for management, provisioning, monitoring, application development, and orchestration.
-  - **IP Infusion OcNOSTM:** Full function L2 and L3 NOS with MPLS and OAM features applicable to service provider networks.
-  - **Ixia Vision Edge OS:** Network Visibility Operating System served as network packet broker for cloud service providers and enterprise.
-  - **Pica8 PicOSTM:** Hybrid NOS supporting traditional L2 and L3 protocols, plus SDN functionality through OpenFlow™ interface to centralized controller applications.
-  - **Pluribus Networks ONVL:** Full function L2 and L3 with data analytics, service chaining and VNF features.
-  - **Snappy Ubuntu Core from Canonical:** Network device specific Ubuntu OS supporting open source and commercial NOS options, plus VNF applications.
-  - **SnapRoute FlexSwitch:** OCP-accepted open-sourced NOS with comprehensive configuration APIs, automation and orchestration features

OPEN NETWORKING

OPEN SOURCE SOFTWARE OPTIONS

Edgecore Networks provides a choice of open source software distributions from leading open network communities. The open source software options allow networks to be deployed on entirely open NOS software platforms, or provide an open source platform for network operators, integrators, and ISVs to develop value-added switch plug-ins and applications.

Edgecore Networks is an active member of the OpenSwitch, OCP, and ONF open software communities. The following open source software options are available on Edgecore Networks open switches.

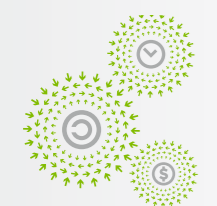
- **OpenSwitch.** A full-function L2 and L3 NOS with programmable interfaces re-launched as an open source project under the Linux Foundation.

- **Open Network Foundation's (ONF's) Atrium.** Open-source SDN distribution providing an OpenFlow switch agent managed by the ONOS OpenFlow SDN controller with BGP routing applications.

- **Open Network Linux (ONL).** The OCP reference NOS, providing a standard platform for forwarding agents including OpenFlow and agents to program switch silicon.

- **Software for Open Networking in the Cloud (SONiC).** The cross-platform modular operating system for networks, contributed to OCP by Microsoft and its co-contributors, will be supported on Edgecore switches.

- **Edgecore Networks Cicada.** Open Network Linux with an OpenFlow agent, Open Optical Monitoring API, and sFlow agent providing value-added switch clients for SDN solutions including ONOS-based CORD infrastructures.



OPEN
PLATINUM



OPEN
Compute Project
SOLUTION PROVIDER



ENTERPRISE AND CARRIER SWITCHES

Edgecore Networks provides a full range of managed switches to fulfill different deployment requirements, from small/medium business users, enterprise to carrier-level service providers, from simple web-smart switches to Layer 2, Layer 3, and industrial switches. Different products come with different port combinations, as well as PoE options, to meet market requirements with an emphasis on scalability and flexibility. Most importantly, managed switches all come with Edgecore Networks' in-house developed EdgeCOS™ software, with optional EView Pro Network Management System.

EdgeCOS™ Embedded in-house operating system – Provide flexible software customization, service and support.



Environment-friendly design, Energy-Efficient Ethernet (EEE) - Cut your operating expenses and save mother earth.



Highly reliable hardware design - With 20+ years' experience and a high reputation in the networking field, Edgecore Networks insists on investing in networking technology to provide the best products to its customers.



High performance / affordable - Provide the best cost-performance products, leveraging Accton's design and manufacturing power.



Rich L2/L3 features - Rich L2/L3 features for triple-play and multicast control (IGMP Snooping, MVR, QoS), security, and management

ENTERPRISE & CARRIER SWITCHES **LAYER 3**

Layer 3 switches are ideal for service provider edge aggregation, enterprise wiring closets, data center aggregation, and network core deployment. These switches bring a high level of security and traffic control to the edge of your network. They provide high performance, resilient stacking, wire-speed Layer 2 switching and Layer 3 routing, comprehensive QoS, and advanced security to deliver scalability and resiliency that increases your company's productivity while reducing operating costs.



L3 100 GBE SWITCH WITH SDN CAPABILITY

AS7712-32X-EC

Carrier/enterprise aggregation, 32 x 100G QSFP28 ports
OF-DPA 2.0*

Compatible with OpenFlow 1.3 capable controllers and applications written for OF-DPA

Debian GNU/Linux Open Linux Environment*

Dual hot-swappable, load-sharing, redundant power supplies (AC, 48 VDC, 12 VDC, HVDC 380 V*)

Port-to-power and power-to-port airflow options

1:1 non-oversubscription in folded-Clos networks

5 +1 redundant, hot-swappable fans



L3 10 GBE SWITCH WITH SDN CAPABILITY

AS5812-54X-EC/AS5812-54T-EC

Carrier/enterprise aggregation, 48 x 10G SFP+, 6 x 40G QSFP+ ports

OF-DPA 1.0/2.0

Compatible with OpenFlow 1.3 capable controllers and applications written for OF-DPA

Debian GNU/Linux Open Linux Environment

Dual hot-swappable power supplies (AC, 48VDC, 12VDC)

Port-to-power and power-to-port airflow options

2:1 oversubscription in folded-Clos networks

4+1 hot-swappable fans



L3 GIGABIT METRO ETHERNET SWITCH/ L2 GE CARRIER GRADE SWITCH

ECS4660-28F

Carrier/enterprise aggregation, 24 x 1000Base-X SFP, 2 10G XFP, 2 10G SFP+ optional expansion module slots, hot-swappable fan tray.

ECS4810-12M

Carrier/enterprise aggregation, 12+ Combo Gigabit ports fanless.

Rich L2 features for triple-play (multicast control, IGMP Snooping, MVR, QoS)

ITU-T G.8032 Ethernet Ring Protection Switching provides redundant paths with fast convergence times
IEEE 802.3ah, 802.1ag, ITU-TY.1731 OAM provides tools for link monitoring, remote failure indication, and remote loopback on a link.

Rich security features for protecting the operator network

Redundant power supply support

Operating temperature : 40°C to 65°C (ECS4660-28F)

25°C to 65°C (ECS4810-12M)



FULL L3 GIGABIT ETHERNET SWITCH WITH HARDWARE STACKING

ECS4620 Series

L3 Gigabit Ethernet stackable switch, 24/48 x 1GbE Base-T, 2 10G SFP+ ports, and one 10G dual port expansion slot. Fiber and PoE switch options included.

Hardware stacking through 10G SFP+ ports

ITU-T G.8032 Ethernet Ring Protection Switching provides redundant paths with fast convergence times

IEEE 802.3ah, 802.1ag, ITU-TY.1731 OAM provides tools for link monitoring, remote failure indication, and remote loop-back on a link.

DiffServ, Two Rate Three Color Marking

L3 IPv4/IPv6 routing for SMB/enterprise network (ECMP, OSPF, BGP, OSPFv3, PIM-DM6/SM6)

DHCP Relay, DHCP Server

ENTERPRISE & CARRIER SWITCHES L2+/L3 LITE

With the trend of high-speed Ethernet, 10/40/100Gbps, Edgework switches offer a complete set of advanced software features that completely satisfies the demands of Internet Service Providers (ISPs) and Multiple System Operators (MSOs) for providing home users with triple-play services and up to a Gigabit of bandwidth. They are also ideal Gigabit access switches for enterprise and campus networks. Edgework provides high-quality, advanced features, but also cost-effective access/aggregation solutions for ISPs and MSOs worldwide, helping service providers build out Fiber to the Building (FTTB) and Fiber to the Home (FTTH) infrastructure for broadband access services.



L2+ Gigabit Ethernet Stackable Switch with 10G Uplink ECS4510 Series

24/48 x 1GbE Base-T, 2 x 10G SFP+ ports, and one 10G expansion. Fiber and PoE switch options included.
Hardware stacking through 10G SFP+ ports
HW stacking for single IP management, cross-stack trunking & cross-stack mirroring
ITU-T G.8032 Ethernet Ring Protection Switching provides redundant paths with fast convergence times
IEEE 802.3ah, 802.1ag, ITU-TY.1731 OAM provides tools for link monitoring, remote failure indication, and remote loopback on a link.
Port security, DHCP snooping, IP source guard, DAI
IPv4/IPv6 static routes



L2+ Gigabit Ethernet Access Switch with 4 10G Uplinks ECS4120 Series

24/48 x 1GbE Base-T+ 4 10G SFP+ ports + 1 RJ-45 console port. Fiber and PoE switch options included.
High-performance GE L2+ with 128Gbps switching capacity.
Four built-in 10G SFP+ ports
ITU-T G.8032 Ethernet Ring Protection Switching provides redundant paths with fast convergence times
IEEE 802.1ag, ITU-TY.1731 OAM provides tools for link monitoring, remote failure indication, and remote loopback on a link.
IPv4/IPv6 static routes



L2+ Gigabit Ethernet Access Switch with 1G Uplinks ECS4100 Series

8/24/48 x 1GbE Base-T + 2/4 1GbE SFP uplink ports. PoE switch option included.
IPv6 Features: DHCPv6, IPv6 Source Guard, MLD Snooping v1/v2, IPv6 ND, IPv6 RA Guard
ERPSv1/v2 (ITU-T G.8032)
OAM (IEEE 802.3ah, 802.1ag, Y.1731)
Auto VLAN, QoS, security (802.1x), voice VLAN, guest VLAN
Auto firmware upgrade, configuration
Port security, DHCP snooping, IP Source Guard, DAI
Two built-in 10G uplinks (ECS4100-26TX and ECS4100-26TX-ME)
IPv4/v6 static routes
Fanless
6KV surge protection, AC+DC (ECS4100-26TX-ME)



L2 Fast Ethernet Standalone Switch ECS3500 Series

8/24/48 x 10/100 Fast Ethernet Layer 2 switches, fanless
ITU-T G.8032 Ethernet Ring Protection Switch provides redundant path with fast convergence time
IEEE 802.3ah, 802.1ag, ITU-TY.1731 OAM provides tools for link monitoring, remote failure indication, and remote loopback on a link.
IPv6 management ready
CPU protection, MLD v1/v2 Snooping
Power saving

INDUSTRIAL SWITCHES

The ECIS4500 PoE series are managed industrial PoE+ Gigabit Ethernet switches and are able to deliver up to 30 watts of power per port along with data over standard Ethernet cabling. The switches can be used to power any IEEE 802.3af/at-compliant PoE PD devices, and include PoE power management features that ease the deployment effort and PoE power budget planning, as well as eliminating the need for additional wiring to reach a power source.



INDUSTRIAL GIGABIT ETHERNET SWITCHES

ECIS4500 Series

- 6/8 x 1GbE Base-T + 2/4 1GbE SFP uplink ports
- Wide operating temperature -40°C to 75°C
- IP30 metal case, fanless design
- 9 K jumbo frames
- L2 wire-speed switching engine
- 8K MAC forwarding addresses
- Network redundant LACP, Spanning Tree STP, RSTP and MSTP
- E-Ring Technology: Fast ring failover protection (< 20 ms)
- CLI/Web/SNMP management interfaces
- Dual power inputs and reverse power protection
- DIN-rail and wall mounting options



INDUSTRIAL POE+ GIGABIT ETHERNET SWITCHES

ECIS4500 PoE Series

- 4/8 1GbE BASE-TX PoE ports + 2/4 1G SFP slots
- Wide operating temperature -40°C to 75°C
- IP30 metal case, fanless design
- IEEE 802.3af /IEEE 802.3at Power over Ethernet compliant
- Ultra PoE supported (only ECIS4500-8P2T4F for ports 1 and 2)
- L2 wire-speed switching engine
- Network redundant LACP, Spanning Tree STP, RSTP & MSTP
- E-Ring Technology: Fast ring fail-over protection (< 20 ms)
- CLI/Web/SNMP management interfaces
- Dual power inputs and reverse power protection
- DIN-Rail and wall mounting options

WEB-SMART PRO SWITCHES

The Web-Smart Pro series of Gigabit Ethernet (GE) switches with Power over Ethernet (PoE) options is designed for enterprise markets and provides a complete solution from 1G to 10G. As well as IPv4 and IPv6 features, the Web-Smart Pro series supports L3 static routing, QinQ, mDNS and IP Clustering. This series includes the best green-saving technologies (IEEE 802.3az and Green Ethernet). Using the Energy Efficient Ethernet standard, the switch automatically decreases power usage when network traffic is low.



GIGABIT WEB-SMART PRO SWITCHES

ECS2100 Series

- 8/24/48 x 1GbE Base-T + 2/4 SFP uplink ports (2 x 10G SFP uplink ports for ECS2110-26T)
- 10 to 52 GE ports, with GE and 10GE uplinks.
- Fantastic dashboard (CPU and memory port utilization) and (event and LLDP information)
- Multiple management (console, web, SNMP ,CLI)
- Dual firmware/configuration memory size.
- IEEE 802.3az EEE and IPv4/IPv6 management
- IEEE 802.3af/at and PoE timer
- Web-smart with L2 managed switching ability (static routing and console port)
- Comprehensive QoS and enhanced security

WEB-SMART SWITCHES

The Web-Smart series is designed for SMB markets and provides a complete solution with 10/28-ports, including both non-PoE and PoE options. The switches comply with the IEEE 802.3az Energy Efficient Ethernet standard. Support for IPv4 and IPv6 management and features ensures your network can upgrade from IPv4 to IPv6. This series offers complete PoE solutions from 70 W to 190 W. All the switches are rack mountable.



GIGABIT WEB-SMART SWITCHES

ECS2020 Series

- Voice/surveillance VLAN
- IGMP/MLP Snooping
- 4K VLANs
- 8-Queue QoS
- IPv4/IPv6
- DDOS protection
- CPU guard
- Dual configuration
- Standard MIB/Private MIB
- 4KV Surge Protection (Ethernet)

MODULES



PS3000
 PS3000 Supported Devices: ECS2100-28PP (one PS3000 can install 3 x EPS460W)
 Extended power supply
 Dimensions (HxWxD): 44 x 231 x 442 mm



EPS460W
 Supported Device: ECS2100-28PP
 460W extended power supply
 Independent power, stable and flexible
 Repair and replace easily
 High scalability (up to three 460W PSUs can be installed in a 19" shell)
 Dimensions (HxWxD): 41 x 230 x 115 mm

ACCESSORIES AND CABLES TRANSCEIVERS PLUGGABLE OPTICS

Edgecore Networks pluggable optical modules provide fiber and copper connectivity over our entire range of products. Our Optical Modules allow a product the flexibility to expand by media type (copper/fiber), speed (Fast, Gigabit, or 10 Gigabit Ethernet) and distance (100 m to 80 km). Edgecore also offers SFP, XFP, and SFP+ pluggable modules used together with any industry standard networking equipment that comply with industry-standard networking regulations. This compliance permits Edgecore Networks modules to be used together with any industry standard networking equipment.

SFP Transceiver Fast Ethernet Transceiver

Model	Connect Speed	Wavelength (RX)	Wavelength (TX)	Distance	Connector	Fiber Mode	Devices Supported
ET3203-BK20	100Mbps	1550nm	1310nm	20km	LC	Single-mode	ECS310MA
ET3203-BK20D	100Mbps	1310nm	1550nm	20km	LC	Single-mode	

Gigabit Ethernet Transceiver

Model	Connect Speed	Wavelength	Distance	Connector	Fiber Mode	Devices Supported
ET4201-4X	1000Mbps	850nm	500m	LC	Multi-mode Fiber	ES4412 / ECS4410-2BT ECS4410-5BT / ECS310MA ECS4210 Series / LCS4110 Series
ET4201-4X	1000Mbps	1310nm	10km	LC	Single-mode Fiber	ECS4210 Series / LCS4110 Series
ET4201-4HX	1000Mbps	1310nm	40km	LC	Single-mode Fiber	ECS350M-A2 / ECS3519-2BT ECS3519-5BT / ECS3519-2BT
ET4201-4X	1000Mbps	1550nm	80km	LC	Single-mode Fiber	ECS3519-5BT / ECS3519-2BT ECS3519-2BT
ET4201-4J45	1000Mbps	-	100m	RJ45	-	ECS3519-2BT

Gigabit Ethernet Transceiver

Model	Connect Speed	Wavelength (RX)	Wavelength (TX)	Distance	Connector	Fiber Mode	Devices Supported
ET4203-BK20 (SD 1315)	1000Mbps	1480nm	1310nm	20km	LC	Single-mode	ES4412 / ECS4410-2BT ECS4410-5BT ECS310MA
ET4203-BK20D (SD 1315)	1000Mbps	1310nm	1480nm	20km	LC	Single-mode	ECS4210 Series ECS4110 Series ECS4510 Series ECS2000 Series
ET4204-BK10 (SD 1315)	1000Mbps	1550nm	1310nm	10km	LC	Single-mode	
ET4204-BK10D (SD 1315)	1000Mbps	1310nm	1550nm	10km	LC	Single-mode	

XFP / SFP+ Transceiver

Model	Connect Speed	Wavelength	Distance	Connector	Fiber Mode	Devices Supported
ET5302-SR	10Gbps	850nm	300m	LC	Multi-mode Fiber	
ET5302-LR	10Gbps	1310nm	10km	LC	Single-mode Fiber	ECS4410-2BT ECS4410-5BT
ET5302-ER	10Gbps	1550nm	40km	LC	Single-mode Fiber	
ET5402-SR	10Gbps	850nm	300m	LC	Multi-mode Fiber	ECS3510-24S ECS3510-4RS
ET5402-LR	10Gbps	1310nm	10km	LC	Single-mode Fiber	
ET5402-ER	10Gbps	1550nm	40km	LC	Single-mode Fiber	
ET5402-DAC	10Gbps	-	1m / 3m	DAC	-	AS5700 Series AS5600 Series AS4600 Series ECS5610-52S ECS4420 Series ECS4510 Series
ET5402-AOC	10Gbps	-	3m / 5m / 7m / 10m	AOC	-	AS5700 Series AS5600 Series AS4600 Series ECS5610-52S ECS4420 Series ECS4510 Series

40G SFP+ Transceiver

Model	Connect Speed	Wavelength	Distance	Connector	Fiber Mode	Devices Supported
ET6401-SR4	40Gbps	850nm	150m	MPO	Single-mode Fiber	AS6700 Series AS5700 Series AS5600 Series AS4600 Series ECS5610-52S
ET6401-LR4	40Gbps	1310nm	2-10km	LC	Single-mode Fiber	AS6700 Series AS5700 Series AS5600 Series AS4600 Series ECS5610-52S
ET6402-100AC	40Gbps	-	1m / 3m	DAC	40G to 4 10G DAC cable	AS6700 Series AS5700 Series AS5600 Series AS4600 Series ECS5610-52S
ET6402-400BAC	40Gbps	-	1m / 3m	DAC	40G to 4 10G DAC cable	AS6700 Series AS5700 Series AS5600 Series AS4600 Series ECS5610-52S
ET6402-100AOC	40Gbps	-	3m / 5m / 7m / 10m / 15m	AOC	40G to 4 10G AOC cable	AS6700 Series AS5700 Series AS5600 Series AS4600 Series ECS5610-52S
ET6402-400AOC	40Gbps	-	3m / 5m / 7m / 10m / 15m / 30m	AOC	40G to 4 10G AOC cable	AS6700 Series AS5700 Series AS5600 Series AS4600 Series ECS5610-52S

100G SFP+ Transceiver

Model	Connect Speed	Wavelength	Distance	Connector	Fiber Mode	Devices Supported
ETT402-SR4	100G	850nm	70m/100m via OM3/OM4	MPO	Multi Mode	AS7712-32X AS7716-32X AS7512-33X AS5912-54X
ETT402-LR4	100G	1310nm	10km	LC	Single Mode	AS7712-32X AS7716-32X AS7512-33X AS5912-54X
ETT402-100AOC 3M	100G	850nm	OM3	N/A	Multi Mode	AS7712-32X AS7716-32X AS7512-33X AS5912-54X
ETT402-LR	25G	1310nm	10km	LC	Single Mode	AS7712-32X AS7716-32X AS5912-54X
ETT402-SR	25G	850nm	70m via OM3 / 100m via OM4	LC	Multi Mode	AS7712-32X AS7716-32X AS5912-54X
ETT402-DAC	25G	-	1m/3m	DAC	-	AS7712-32X AS7716-32X AS5912-54X
ETT402-AOC	25G	-	3m/5m/7m/10m	AOC	-	AS7712-32X AS7716-32X AS5912-54X

NETWORK SOFTWARE

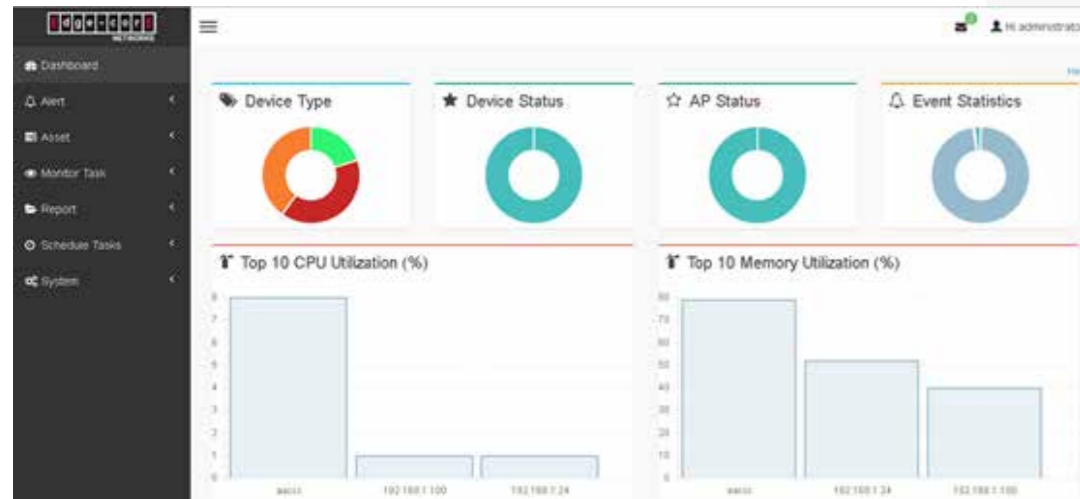
A powerful embedded network operation system, EdgeCOS™, designed by Edgecore's in-house development team, is preloaded on Edgecore Ethernet switch product series. While the ECView Pro network management system's friendly user interface is designed to manage Edgecore and third-party network devices in an easy and powerful way.

EdgeCOS™

EdgeCOS™, Edgecore's Ethernet switch operating system platform reduces the time necessary to deploy new services and decreases network operation costs, offering a secure user interface for developing applications that create more value from the network.

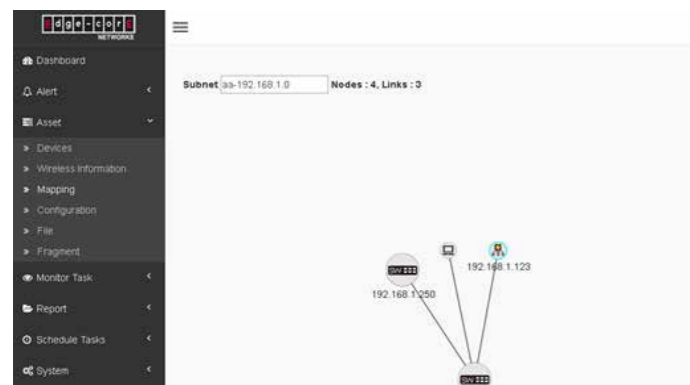
ECView Pro

ECView Pro™, the network management system meets current and future technology challenges with business practically. It provides a single point to manage the entire enterprise network, together with an unlimited and customizable reporting capability.



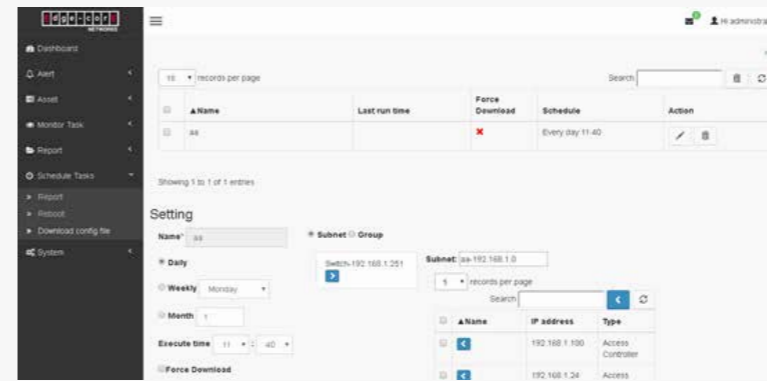
DASHBOARD:

ECView Pro provides a dashboard feature that displays the visual data of a device in a network. The charts and graphs of the ECView Dashboard can help a user to proactively manage your network's utilization. It can also help to predict possible network problems thereby reducing downtime and operating costs.



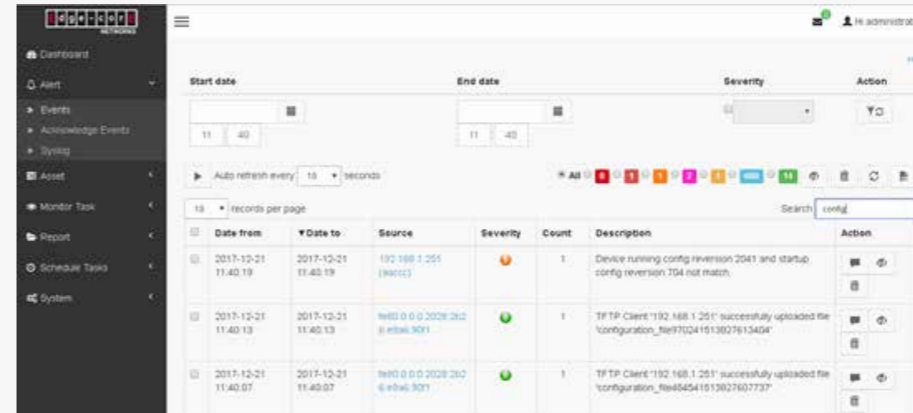
MAPPING:

The central feature of ECView Pro's Mapping tool is to quickly provide a visual representation of the network topology within minutes. Using ECView Pro's ingenious discovery engine, it continuously and accurately gathers real-time information and status of each discovered device. Other Mapping features include a variety of useful actions that facilitate managing the discovered devices.



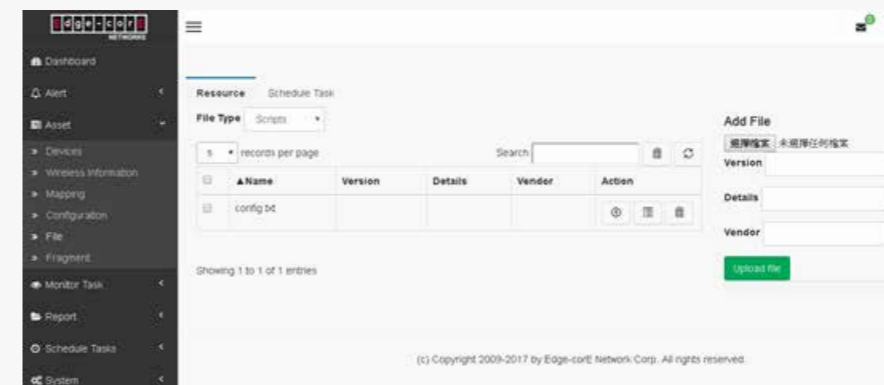
SCHEDULE DOWNLOAD CONFIG:

A user can download configuration files from devices recognized by ECView Pro. Both startup and running config files can be scheduled for download to a user's PC and a log is displayed under Asset > Configuration > Upload History. And should an unknown configuration change occur on the switch, the history log provides a useful warning should the startup and running config files not match.



FRONT PANEL:

The front panel displays the device interface status – links up or down.



UPLOAD SCRIPT:

Uploads CLI scripts to NMS and then NMS can use SSH to deploy the scripts to multiple target Switches.

WIRELESS

Be connected on the move with high-bandwidth. With fast growing on the smart phone and tablets, people are always looking for high-bandwidth access to share their photo/video on the move. 11ac Wi-Fi became essential and cost-effective infrastructure on different indoor and outdoor environment.

Focusing on enterprise, campus and hospitality market, Edgecore Networks offers the integrated managed Wi-Fi solutions to meet enterprise and hospitality environment with robust Wi-Fi performance, user-friendly and advanced security for users through its affordable controller-based Wi-Fi solutions.



Application Appliance



High Availability



Easy Hotspot Deployment



WIRELESS CONTROLLER

Wireless Controller and Unified Access Point offer the integrated affordable solutions for business users in the SMBs and enterprise as well as the wireless solutions fitting to hotel and school users. With the scalable and distributed architectures, IT managers can easily design and deploy the wireless networks with centralized management capability.

Manage up to 80 APs/150 APs/ 600 APs/ 1500APs per controller
 Redundancy: 3(Max)+1 with automatic synchronization
 WAN load balance & failover
 Built-in AAA and hotspot gateway functionality
 Policy enforcement, guest Wi-Fi, logging & reporting



EWS5203
 WAN: 2 x 10/100/1000Base-T Ethernet/SFP Combo
 LAN: 2 x 10/100/1000Base-T Ethernet
 Console: 1 x DB9 (DB9 to RS-232 console cable adapter included)
 USB: 1 x USB 3.0



EWS5202
 WAN: 2 x 10/100/1000Base-T Ethernet
 LAN: 2 x 10/100/1000Base-T Ethernet
 Console: 1 x DB9 (DB9 to RS-232 console cable adapter included)
 USB: 2 x USB 3.0



EWS5204
 WAN: 2 x 10/100/1000Base-T Ethernet, 2 x 100/1000 SFP
 LAN: 6 x 10/100/1000Base-T Ethernet, 2 x 100/1000 SFP
 USB: 2 x USB3.0
 Console: 1 x RJ-45; 1 x micro USB



EWS5207
 WAN: 2 x 10/100/1000Base-T Ethernet, 2 x 10G SFP, 2 x 100/1000 SFP
 LAN: 6 x 10/100/1000Base-T Ethernet, 2 x 10G SFP, 6 x 100/1000 SFP
 Console: 1 x RJ-45
 Management: 2 x RJ-45

WIRELESS CONTROLLER-BASED INDOOR AP

The Edgecore Enterprise Access Points offers a user-friendly web-based management interface for the configuration of all the unit's features, and supports SNMP (Simple Network Management Protocol). This SNMP agent permits the AP managed from any computer in the network using network management software.

Captive portal and Guest provisioning
 Rogue AP detection & Load balancing
 Fast Layer 2/Layer 3 roaming
 Dual-radio, Dual-band
 3x3:3 MIMO (ECW5210-L)
 2x2:2 MU-MIMO with Bluetooth Low Energy (ECW5211-L)
 4x4:4 MU-MIMO with Bluetooth Low Energy (ECW5410-L)



ECW5210-L
 Uplink: 1 x 10/100/1000Base-T Ethernet with 802.3at PoE



ECW5211-L
 Uplink: 1 x 10/100/1000Base-T Ethernet with 802.3af PoE
 LAN: 1 x 10/100/1000Base-T Ethernet
 USB: 1 x USB 2.0 Port



ECW5410-L
 Uplink: 1 x 10/100/1000Base-T Ethernet with 802.3at PoE
 LAN: 1 x 10/100/1000Base-T Ethernet with 802.3af PoE out
 Console: 1 x RJ-45 Port
 USB: 1 x USB 2.0 Port

WIRELESS CONTROLLER-BASED OUTDOOR AP

The Edgecore outdoor AP with superior weatherproof design of outdoor models enables full operation in the most inhospitable environments. The high-power RF design greatly extends service coverage.

IP67/68 Rating
Wall mount / Pole mount
Operating Temperature: -40°C (-40°F) to 65°C (149°F)/-30°C (-22°F) to 70°C (158°F)
Embedded High Gain Antenna
Built-in Global Positioning System (ECW05211-L, ECW05212-L)



ECW05210-L

3x3:3 MIMO
Uplink: 1 x 10/100/1000Base-T Ethernet with 802.3af PoE
LAN: 1 x 10/100/1000Base-T Ethernet
802.3af downlink PoE on LAN port
Console: 1 x RJ-45



ECW05211-L

2x2:2 MU-MIMO with Bluetooth Low Energy
Uplink: 1 x 10/100/1000Base-T Ethernet with 802.3af PoE
LAN: 1 x 10/100/1000Base-T Ethernet
USB: 1 x USB 2.0 Port



ECW05212-L

2x2:2 MU-MIMO with Bluetooth Low Energy
Uplink: 1 x 10/100/1000Base-T Ethernet with 802.3af PoE
LAN: 1 x 10/100/1000Base-T Ethernet
USB: 1 x USB 2.0 Port

WIRELESS HOTSPOT GATEWAY

The Edgecore all-in-one wireless hotspot gateway is a solution that caters primarily to SMBs such as coffee shops and restaurants. Edgecore hotspot gateway's key functionality includes captive portal authentication, user policy enforcement, and guest Wi-Fi – built-in to the form factor of an access point. The compact solution helps significantly reduce deployment costs for small coverage locations without sacrificing management capabilities.

Integrated guest Wi-Fi platform supporting Facebook, Google+, Line and OpenID
Tiered Wi-Fi service with usage quotas by bandwidth, volume and duration
Up to 4 Service Zones, each with completely customizable captive portals and network configurations
Detailed user browsing histories and network statistics
Built-in gateway functionality including DHCP, NAT, and routing profiles



ECH502

2x2:2 MU-MIMO with Bluetooth Low Energy
Uplink: 1 x 10/100/1000Base-T Ethernet with 802.3af PoE
LAN: 1 x 10/100/1000Base-T Ethernet
USB: 1 x USB 2.0 Port



Wireless Hotspot Gateway Accessory: POS Printer EC-PP200

Power Input: 24 VDC / 2.5A (Power cord included)
Dimensions: 17.6 cm (L) x 14.6 cm (W) x 12.4 cm (H)
Weight: 1.22 kg (2.69 lbs)
Interfaces: Serial: 1 x RS-232
Print Method: Thermal line printing
Print Speed: 250 mm/sec
Print Life: 100 km
Print Resolution: 576 dots/line or 512 dots/line





GREEN FRIENDLY

Edgecore Networks Green Friendly Technology™

Active Port Power Saving: Edgecore Networks Green Friendly technology can automatically detect the link status and disable power for a given port during periods of inactivity. If network devices connected to the switch are turned off, an Edgecore Green Friendly Switch can save up to 59.3% of the power budget.

Cable Length Power Saving:

Edgecore Networks Green Friendly technology can actively detect the presence of a shorter Ethernet cable, thus determining the appropriate power level based on the cable length so there is less power consumed as the link distance shortens. If a cable length is less than 20 meters, an Edgecore Networks Green Saving Switch can save up to 7.5% of the power budget.

Cut Your Operating Expenses and Save Mother Earth:

In a standard office scenario in which PCs are used for 10 hours a day and connected to a switch using 20 meter cables, each Edgecore Networks Green Friendly Switch can save up to 34.6% of power, saving electricity costs of up to US\$6.6 per day. This reduces up to 38kg of CO2 emissions, which equals the planting of two more trees for mother earth.

* Power savings may vary depending on network devices or PCs used, and on various conditions.

WEEE:

All Edgecore Networks products are in full compliance with WEEE, the Waste Electrical and Electronic Equipment Directive, setting collection, recycling, and recovery targets for all types of electrical goods.

RoHS:

RoHS stands for Restriction of Hazardous Substances. Edgecore Networks aims at reducing and eliminating hazardous substances used in manufacturing electronic devices, as well as selecting qualified supply chains. We also appraise electronics industry peers to meet compliance with RoHS in an effort to protect and green our mother earth.

Green Supply Chain:

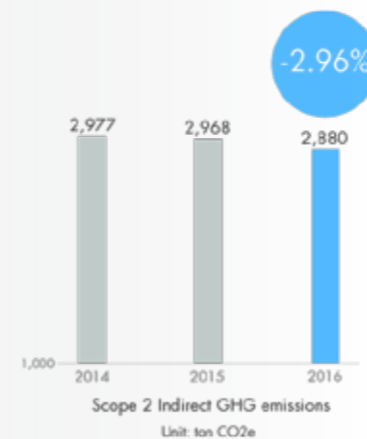
Edgecore Networks has expanded its care for mother earth to its whole supply chain system, from manufacturer management and certification compliance to packaging and brochure printing.

Green Office Policy:

Edgecore Networks Corporation, as a wholly-owned subsidiary of the Accton Group, is committed to a 1% annual reduction in greenhouse gas (GHG) emissions, following the mother company policy. Edgecore Networks has begun to implement a green-office policy at its headquarters to reduce energy consumption, increase waste recycling, and to encourage green practices that reduce our carbon footprint.

A number of sustainable environmental strategies are implemented in the Accton group, including:

1. Using electronic signatures to reduce paper use.
2. Turning off power in idle areas.
3. Controlling the number of ice-water dispensers that are powered on depending on room temperature.
4. Turning off air conditioning when production lines are not in operation on Sundays.
5. Regular control of the basement ventilation system.
6. Implementing energy conservation management measures.
7. Installing variable-frequency inverters in air-conditioning and air-compressor systems to save energy.
8. Using reusable utensils in our canteen and restaurant.



SUPPORT AND SERVICE

SUPPORTING YOUR NETWORK

Edgecore Networks' manufacturing and design centers are ISO 9001 certified. We have excellent operational teams that are committed to ensuring you are receiving products of the highest quality and reliability.

Edgecore Networks backs its high quality manufacturing with a warranty and support policy.

Commercial Support

- Dedicated account manager for the development of projects.
- Possibility of special prices for projects.
- Information about the product lifecycle.

Technical Support

- Edgecore Networks provides both pre- and post-sales technical support.
- For pre-sales assistance, please visit www.edge-core.com, or contact your local Edgecore Networks sales office.
- For post-sales (technical support), please visit www.edge-core.com and select "Support" where you will find FAQs, drivers, firmware and other useful support information.
- Pre-sales support for the design of projects.
- Needs assessment of projects and surveys on site by case.

Marketing Support

- Regular communications on exclusive promotions and product information.
- Communication of case studies and success stories

On-line Support – Edgecore Partner Portal

Edgecore Networks provides a formal Partner Portal - offering a marketing resource and RMA service for partners and potential partners, as well as interacting with customers to collect feedback that maximizes the value of our relationship.

The Partner Portal has six different sections and is designed to be a multi-function portal for partners to quickly access needed information and services. The six sections are: Announcement, RMA, Resource, Application/Co-op/Project, Message, and My Account Management. Visit <http://www.edge-core.com/member-login.php> for more information.





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