

GIGABIT ETHERNET ACCESS SWITCH WITH 1G OR 10G UPLINK OPTIONS

FOR INTERNET SERVICE PROVIDERS (ISPs),
MULTIPLE SYSTEM OPERATORS (MSOs)
AND SMB/ENTERPRISE NETWORKS



The Edgecore ECS4100-28T/52T switch is a Gigabit Ethernet access switch with four 1G uplink ports. The Edgecore ECS4100-26TX/26TX-ME is a Gigabit Ethernet access switch with two 10G uplink ports. These series switch is ideal for Internet Service Providers (ISPs) and Multiple System Operators (MSOs) to provide home users triple-play services with up to a Gigabit of bandwidth while ECS4120 series offer the options of 4 x 10G uplink bandwidth. It is also an ideal Gigabit access switch for SMB, enterprise, and campus networks. The ECS4100 series switch is packed with features that bring high availability, comprehensive security, robust multicast control, and advance QoS to the network edge, while maintaining simple management. The switch also supports the most advanced IPv6 management, IPv6 security, and IPv6 multicast control in accordance with the growth of IPv6 deployment. ISPs can expand their services from home to business users by providing a more reliable and resilient network (ITU-T G.8032 ERPS), L2 VPNs, and advanced OAM (Operations, Administration, and Maintenance) functions to ensure service-level agreements.

- ◆ Enhance robustness of multicast control to provide high quality IP-TV service via IGMP snooping, IGMP Immediate Leave, Leave Proxy, Multicast VLAN Registration (MVR)
- ◆ Ensure fully security of the services provider's network against attack, offering port security, IEEE802.1X port-based or MAC-based access control, DHCP Snooping, IP Source Guard, Access Control List (ACL), Guest VLAN, Dynamic ARP Inspection (DAI), and SSHv2 for secure Telnet and SSL/HTTPS encrypt Web access.
- ◆ Ease the management and troubleshooting with superior management, including industry-standard CLI, web interface, and SNMPv1, 2c, 3 and 4-group RMON.
- ◆ Differentiate network traffic and service with the advanced QoS features, such as Priority Queues, Traffic classification, Traffic scheduling, Rate Limiting
- ◆ Service providers can expand their business from home users to business users by providing more reliable and resiliency network (ITU-T G.8032 ERPS), Connectivity Fault Management (802.1ag, Y.1731) and ensuring SLA

CARRIER AGGREGATION & ACCESS SOLUTION

The diagram illustrates a Carrier Aggregation & Access Solution, divided into four main sections: CORE, AGGREGATION, ACCESS, and HOME BUSINESS.

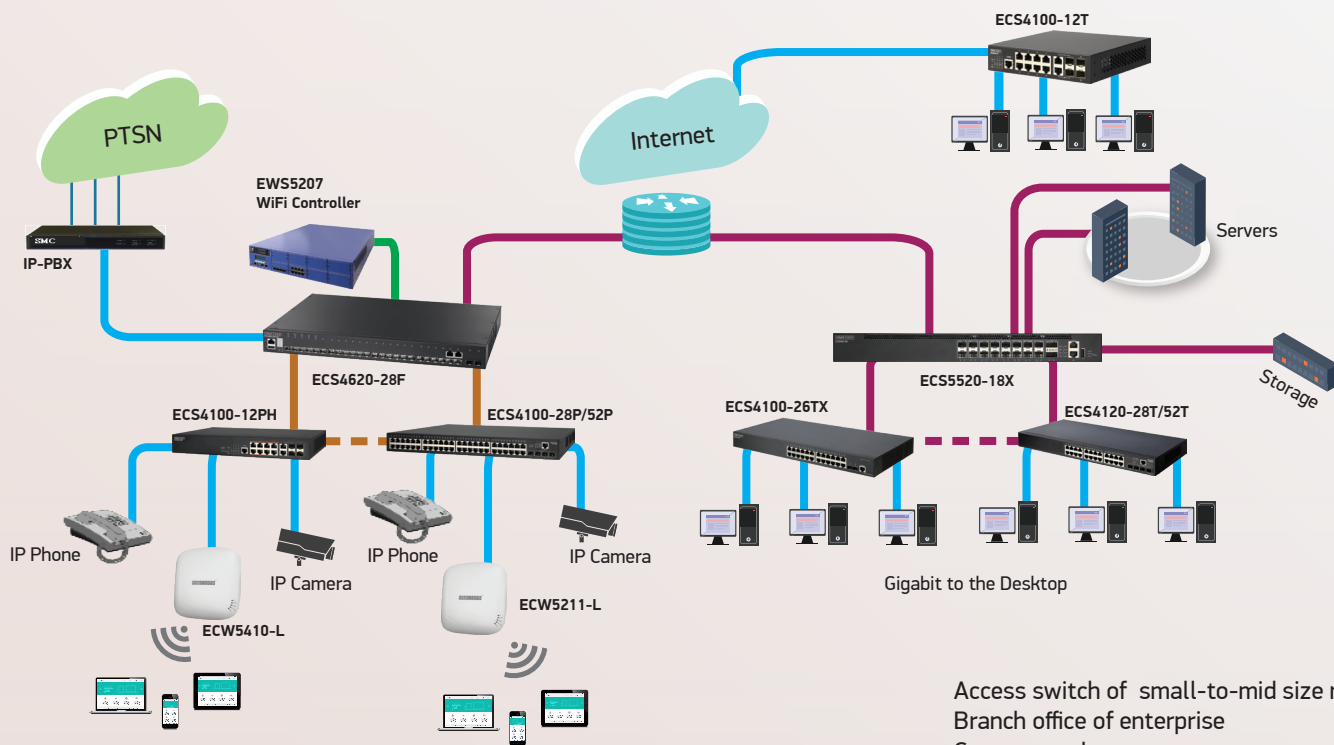
CORE: This section represents the central network infrastructure. It includes a Satellite, Vod Server, Middleware, Storage, Internet cloud, and various servers (PPPoE router, VPN Server, DHCP Server, SIP Server). A Wireless Controller (EWS5207) is also shown connected to the Internet cloud.

AGGREGATION: This section shows the network aggregation layer. It features a central switch (AS5812-54X-EC) connected to the Core and the Access layer.

ACCESS: This section represents the network access layer. It includes a 10G AGG Ethernet Ring, various switches (ECS4100-12PH, ECS4100-12T, ECS4100-12TC, ECS4100-12TX, ECS4100-28T, ECS4100-28TC, ECS4100-28Fv2, ECS4120-28Fv2, ECS4120-52T, ECS4120-26TX), and wireless controllers (ECW05211-L, ECW5410-L).

HOME BUSINESS: This section represents the end-user premises. It shows multiple customer premises (labeled LAN) connected to the Access layer. Each premise includes a Setup Box, TV, PC, and IP Phone. The connection to the Access layer is shown via FTTH (Fiber to the Home) or wireless access.

GE WITH GE/10G UPLINK ACCESS SWITCH APPLICATION



ECS4100 and ECS4120 Series Feature Matrix Table

[illegible]

(*) ECS4100-12PH/28P/52P/28TC (sub 50 ms, convergence)

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About Edgecore Networks

Edgecore Networks delivers wired and wireless networking products and solutions through channel partners and system integrators worldwide for the Data Center, Service Provider, Enterprise and SMB customers. Edgecore Networks is the leader in open networking providing a full line of open WiFi access points, packet transponders, virtual PON OLTs, and 1G, 2.5G, 10G, 25G, 40G, 100G and 400G OCP-ACCEPTED™ switches that offer choice of commercial and open source NOS and SDN software.

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