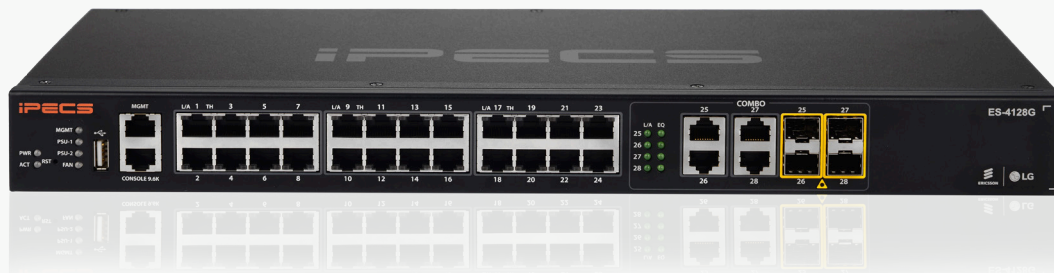


L3 GE Switch, iPECS ES-4128G

iPECS
Your Communications Solution



Security conformity
IPv6 Ready certified



High-performance L3 switching

Redundant power support

Stable network deployment

The iPECS ES-4128G combines high-performance Layer 3 switching and redundant power to deliver fast, stable Gigabit Ethernet network services.

As enterprise networks grow and support more applications, organisations need efficient, economical and scalable infrastructure. The iPECS ES-4128G provides advanced Layer 3 networking functions for IP telephony, UC&C and collaboration environments while keeping network design straightforward and cost-effective.

The ES-4128G provides 24 10/100/1000 Base-T ports with a high-speed non-blocking switch fabric. Concurrent packet processing minimises internal delay, while store-and-forward switching improves data integrity. Four 1 Gigabit UTP/SFP combo uplinks support flexible network designs.

IPv4/IPv6 support protects the investment when networks migrate to IPv6. Layer 3 routing, multicast, hardware-based rate limiting and enhanced QoS help provide stable IP services. Redundant power improves service reliability.

Product features

- 24 ports 10/100/1000 Base-T
- 4 combo uplink ports (UTP/SFP)
- Wire-speed operation
- Reliability through redundant power
- L3 routing (IPv4/IPv6), multicast and QoS
- Self Loop Detection
- STP/RSTP/MSTP/PVST+/RPVST+ loop prevention
- User-friendly management interfaces
- Security conformity support
- IPv6 Ready certification

Product specifications

System specifications and environment	System Architecture	24 Port 10/100/1000 Base-T + 4 Uplink port 1 GB UTP/SFP Combo
	Console	RJ-45 type RS-232C serial port
	Management Port	1 port 10/100/1000 Base-T
	USB Port	USB 2.0 Interface
	Memory	1 GB DRAM, 1 GB Flash
	Power	AC 90-260 V / 50-60 Hz, redundant power
	Power Consumption	30W
	Operating Temperature	0~50°C
	Dimension(WxDxH)	440mm x 190mm x 44mm
	Switch Fabric	168 Gbps non-blocking
Performance and capacity	Throughput	41.6 Mpps
	VLAN	Up to 4K
	Mac Address	Up to 16K
Services and features	Layer 2	VLAN(IEEE 802.1Q Tagged, Port-based, Hybrid, Voice) STP/RSTP/MSTP/PVST+/RPVST+ DHCP(Relay Agent, Relay Agent with Option82, DHCP Snooping, DHCP Snooping with Option 82, DHCP Server) Link Aggregation(802.3ad) Self Loop Detection LLDP, LLDP-MED, ERPS 50ms
	Layer 3	Static Routing Switch Virtual Interface IPv4/IPv6 Dual Stack RIP v1/v2, RIPv6 OSPF v2/v3 BGP v4/4+ Default gateway, Multiple Default gateway, Loop-back Interface PBR(Policy Base Routing) VRRP v1/v2/v3
	Multicast	IGMP v1/v2/v3(IGMP Snooping with Querier, IGMP Proxy, Fast-Leave/Filtering, Report-Suppression), PIM-SM/SSM
	QoS(Quality of Service)	Traffic classification(L2~L4) Traffic Control(Marking/Remarking: COS, DSCP, 802.1p, Packet Drop, Mirroring/Redirect to Port, Metering) Queue Scheduling(Strict priority, DWRR, Strict Priority+DWRR) Max 8 Queues per port Ingress Rate limiting(Port) Egress Rate limiting(Port/Queue)
	IEEE 802.1X	Port based Authentication MAC based Authentication Guest VLAN, Dynamic VLAN, Restrict VLAN
	Security	Packet filtering (DHCP messages, VISTA LLTD, NetBEUI, NetBIOS, NBT, L2/L3/L4 packets, specific MAC addresses and gateway-IP spoofing prevention) Malicious traffic blocking (illegal source MAC/IP and illegal ARP) Hardwired Storm Control (Broadcast/Multicast/DLF) COPP (per-packet-type rate limiting and priority; TCP SYN attack blocking) Access control lists (L2/L3/L4, port/VLAN based ACL, IPv6) Dynamic ARP inspection; BPDU Filter/Guard; Root Guard IP Source Guard; static port security; AAA-RADIUS; TACACS+; SSH v2 Management-interface access filtering (SNMP, Telnet)
	Management	Management method: Telnet/Console/Web(HTTP, HTTPS) IPv6 Management(TFTP, SNMP, PING6, Telnet, SSH, Traceroute6) Software upgrade - FTP, TFTP Configuration file download - TFTP, FTP Multi OS Images SNMP v1/v2/v3 RMON(Group 1, 2, 3, 9) Port mirroring(Many-to-One, One-to-Many), VLAN mirroring SYSLOG, NTP, System Banner IP Clustering DHCP Server/Relay CLI(Command Line Interface)

Specifications may change without prior notice as the product is developed. Ericsson-LG Enterprise accepts no liability for loss or errors arising from this document.

This product may be controlled as a strategic item. Export authorisation may be required before transferring the product or related production, development or usage technology abroad.

Ericsson-LG Enterprise Co., Ltd.
77, Heungan-daero 81beon-gil, Dongan-gu, Anyang-si, Gyeonggi-do, Korea
T. +82 2 3777 1114 F. +82 31 8054 6607
www.ericssonlg-enterprise.co.kr | www.iPECS.co.kr

East branch +82 51 816 6767 West branch +82 42 633 2339 Technical support 1588 9388

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