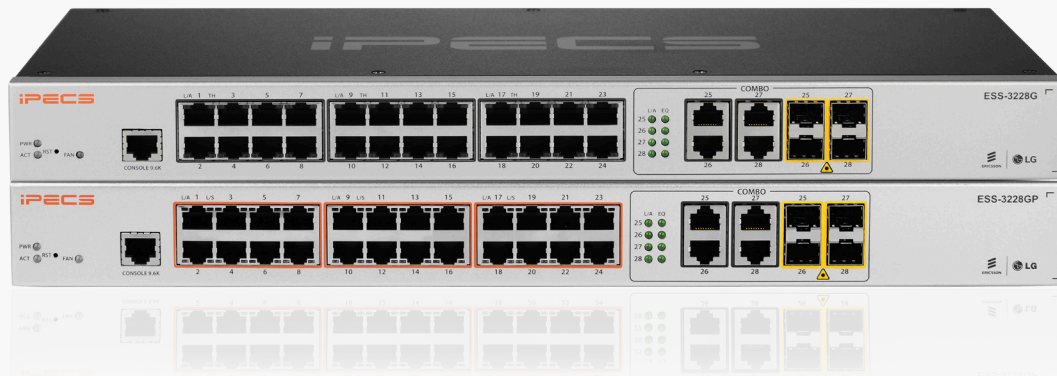


L2 GE Security Switch, iPECS ESS-3200G Series

iPECS
Your Communications Solution



Security conformity
IPv6 Ready certified
CC certified (EAL2)



Powerful security features

Simple unified management

Stable network deployment

The iPECS ESS-3200G Series combines powerful security with fast, stable Layer 2 Gigabit Ethernet switching.

Installed inside the user network, the iPECS ESS-3200G Series performs core switching while detecting and responding to data-link attacks including flooding, scanning, spoofing and protocol anomalies. It is a verified security system with Common Criteria EAL2 certification.

Its uStar (Unified Secure Traffic Assurance) engine uses mathematical analysis to detect and block flooding, scanning, spoofing and protocol-anomaly attacks. Policy-based packet filtering and authorised-terminal access control help create a secure network.

U-SeMS (Unified-Security Element Management System) collects and manages configuration, security-event, fault, performance and real-time traffic information for iPECS ES Series devices. Its clear interface simplifies operation for non-specialists.

Product features

- 24 ports 10/100/1000 Base-T
- 4 UTP/SFP combo uplink ports
- Concurrent PoE/PoE+ support (370 W)*
- U-SeMS unified network management
- Powerful uStar security engine
- Blocks DoS/DDoS, flooding, scanning, spoofing and protocol anomalies
- 3-step risk analysis
- Source blocking of harmful traffic
- Selective blocking while forwarding normal traffic
- Dynamic ARP Inspection and IP Source Guard
- Common Criteria certification (EAL2)
- Security conformity support
- IPv6 Ready certification

* Supported by iPECS ESS-3228GP

Product specifications

Product name	iPECS ESS-3228G	iPECS ESS-3228GP
System specifications and environment	System architecture	24 ports 10/100/1000 Base-T + 4 uplink ports 1 GB UTP/SFP combo
	Console	RJ-45 type RS-232C serial port
	Memory	1 GB DRAM, 1 GB Flash
	PoE/PoE+	- 802.3af: max. 24 ports at 15.4 W 802.3at: max. 12 ports at 30 W
	Power	AC 90-260 V / 50-60 Hz
	Power consumption	30 W Switch: 38 W; PoE: 370 W
	Operating temperature	0-50 °C
	Dimensions (W x D x H)	440 mm x 160 mm x 44 mm 440 mm x 280 mm x 44 mm
Performance and capacity	Switch fabric	168 Gbps
	Throughput	41.6 Mpps
	VLAN	Up to 4K (512)
	MAC addresses	Up to 16K
Services and features	Layer 2	VLAN (IEEE 802.1Q tagged, port-based, hybrid and voice) STP/RSTP/MSTP/PVST+/RPVST+ DHCP relay, Option 82 and DHCP snooping Link Aggregation (802.3ad); Self Loop Detection; LLDP, LLDP-MED
	Multicast	IGMP v1/v2/v3 (snooping with querier, proxy, fast leave, filtering and report suppression)
	QoS (Quality of Service)	Traffic classification L2-L4; COS/DSCP/802.1p marking; drop, mirroring, redirection and metering Strict priority and DWRR scheduling; max. 8 queues per port Ingress and egress rate limiting by port/queue
	IEEE 802.1X	Port- and MAC-based authentication; guest, dynamic and restricted VLAN
	Security	TCP/UDP/ICMP flooding; TCP/UDP port scan; TCP/ICMP host scan Protocol anomaly protection: invalid TCP flags, Ping of Death, IP fragments, UDP Echo Loop and LAND Packet filtering; malicious MAC/IP/ARP blocking; hardwired Storm Control COPP rate limiting and priority; TCP SYN attack blocking L2/L3/L4, port/VLAN and IPv6 ACL; Dynamic ARP Inspection BPDU Filter/Guard; Root Guard; IP Source Guard; static port security AAA-RADIUS; TACACS+; SSH v2; management-interface access filtering
	Management	Telnet, console and web (HTTP/HTTPS); IPv6 management Software update and configuration transfer by FTP/TFTP Multiple OS images; SNMP v1/v2/v3; RMON groups 1, 2, 3 and 9 Port and VLAN mirroring; SYSLOG; NTP; system banner; IP clustering

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 technology abroad.

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