

Simpler & Smarter Networking for SMBs

iPECS

ES-1000G Series

iPECS Gigabit Ethernet Switch ES-1000G Series

ES-1000G UNMANAGED SWITCHES ARE AN EXCELLENT FIT FOR SOHO AND SMALL BUSINESSES SUPPORTING PLUG AND PLAY INSTALLATIONS AND DELIVERING WIRE-SPEED PERFORMANCE.



Key Benefits

- Plug-and-Play Installation
- High-Performance Gigabit Switching
- Industry Standards Compatibility
- Embedded Simple QoS
- Environmentally-Friendly Design supporting latest Energy Efficient Ethernet (EEE) technology

Plug & Play Installation

LG-Ericsson iPECS ES-1000G Gigabit Ethernet Switches provide a true plug and play solution for connecting various networking devices. These switches easily connect to any network using a combination of auto negotiation to select the optimum speed and duplex for each link and auto MDI/MDIX to remove the need for cross over cables. Each product interoperates seamlessly with the customer's existing network at wirespeed without any additional configuration, and it is easy to diagnose and monitor the operational status and activity using the per-port diagnostic LEDs.

High-Performing Gigabit Switching

LG-Ericsson iPECS ES-1000G Gigabit Ethernet Switches can transmit and receive traffic seamlessly in full-duplex mode and at non-blocking wirespeed performance. Each port supports seamlessly up to 2Gbps of bandwidth for transmitting and receiving packets in full-duplex mode. In addition, each port supports auto uplink capabilities making it straightforward to design the ES-1000G Switches into your existing network.

Industry Standards Compatibility

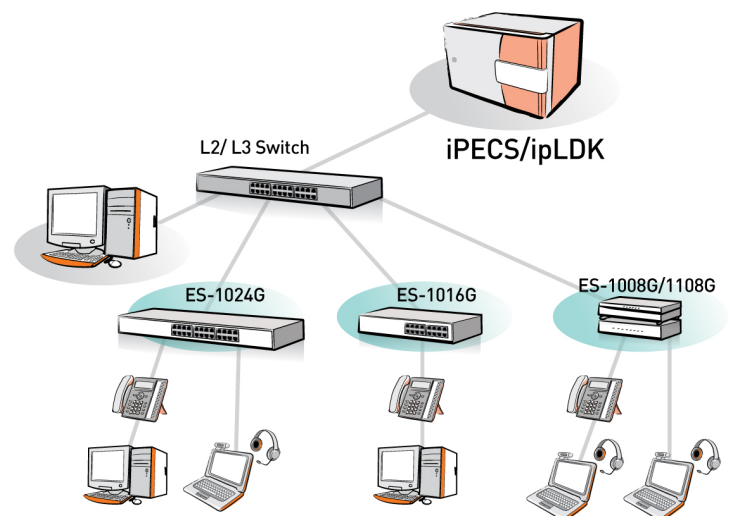
LG-Ericsson iPECS ES-1000G Gigabit Ethernet Switches are compatible with industry standards such as IEEE 802.3, 802.3u, 802.3ab, 802.3x. These switches can be seamlessly built into the customers' existing networks and deliver the highly reliable performance needed to support SMB IT networks.

Embedded Simple QoS







In addition to the industry standards switch features, LG-Ericsson iPECS ES-1000G Switches incorporate simple QoS mechanisms based on 802.1p tagging and IP TOS. These mechanisms use priority queues, permitting the customer's network to deal with VoIP traffic effectively using a higher priority. These switches are optimized for small offices to setup a simple VoIP network with a minimum investment and fully take advantage of the benefits of IP Telephony. 802.1p tagging and IP TOS based QoS are pre-configured at the factory based on industry standard values.

Environmentally-Friendly Design

In today's world, it is critical to build an environmentally-friendly network. Even though the LG-Ericsson ES-1000G Gigabit Ethernet Switches are entry-level unmanaged switches, they support the industry standard EEE (Energy Efficient Ethernet) technology. EEE offers significant efficiency savings for SMB networks.



ES-1000G Feature Matrix

		ES-1005G	ES-1105G	ES-1008G	ES-1108G	ES-1016G	ES-1024G
Design							
	Enclosure	Plastic	Metal	Plastic	Metal	Metal	Metal
Performance	Switching Fabric Capacity (Gbps)	10	10	16	16	32	48
	Packet Forwarding Throughput (Mpps)	7.4	7.4	11.9	11.9	23.8	35.7
	Packet Buffer	128KB	128KB	128KB	128KB	256KB	448KB
	MAC Address Capacity	8K	8K	8K	8K	8K	16K
	Jumbo Frames support	9KB	9KB	9KB	9KB	9KB	9KB
	Auto-negotiation	Yes	Yes	Yes	Yes	Yes	Yes
	Auto-MDI/MDIX	Yes	Yes	Yes	Yes	Yes	Yes
	Type of Service ports	10/100/1000 Base-T	10/100/1000 Base-T	10/100/1000 Base-T	10/100/1000 Base-T	10/100/1000 Base-T	10/100/1000 Base-T
Ports	10/100Base-TX Ports per Unit	-	-	-	-	-	-
	10/100/1000Base-T Ports per Unit	5	5	8	8	16	24
Built-in QoS	802.1p priority based	Yes	Yes	Yes	Yes	Yes	Yes
	IP TOS(DSCP) based	Yes	Yes	Yes	Yes	Yes	Yes
	Number of Queues	4	4	4	4	4	4
	Strict/WRR/WFQ	WFQ	WFQ	WFQ	WFQ	WFQ	WFQ
Green Ethernet	IEEE 802.3az - Energy Efficient Ethernet	Yes	Yes	Yes	Yes	Yes	Yes
Dimensions	19" Rack Space (EIA Standard RU)	No	No	No	No	Yes	Yes
	Height (mm)	22	26	28	28	44	44
	Width (mm)	165	149	176	171	280	441
	Depth (mm)	85	84	113	98	185	207
	Weight (Kg)	0.24	0.35	0.322	0.496	1.538	2.100
Power	100 ~ 240 VAC, 50/60Hz	Yes	Yes	Yes	Yes	Yes	Yes
	Power Supply	External (5V, 1A)	Internal (100V-240V)	External (12V, 1A)	Internal (100V-240V)	Internal (100V-240V)	Internal (100V-240V)
	Max power consumption(Watts)	2.64W	2.64W	5.5W	6.82W	9.57W	19.8W
Environmental	Operating Temperature (°C)	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C	0 to 40 °C
	Storage Temperature (°C)	-10 to 70 °C	-10 to 70 °C	-10 to 70 °C	-10 to 70 °C	-10 to 70 °C	-10 to 70 °C
	Operating Humidity (non-condensing)	5% to 90%	5% to 90%	5% to 90%	5% to 90%	5% to 90%	5% to 90%
	Storage Humidity (non-condensing)	5% to 90%	5% to 90%	5% to 90%	5% to 90%	5% to 90%	5% to 90%
Certifications	EMC Compliance - FCC	Yes(Class A)	Yes(Class A)	Yes(Class B)	Yes(Class B)	Yes(Class A)	Yes(Class A)
	EMC Compliance - CE	Yes(Class A)	Yes(Class A)	Yes(Class B)	Yes(Class B)	Yes(Class A)	Yes(Class A)
	Safety Compliance - UL	-	-	Yes	Yes	Yes	Yes
	Safety Compliance - CB	-	-	Yes	Yes	Yes	Yes
	Korea (KCC)	-	-	Yes	Yes	Yes	Yes