



A Division of Cisco Systems, Inc.

Cost-effective Gigabit switching with entry-level management for small business

New Linksys Business Series Smart Gigabit Ethernet Switches deliver cost-effective switching solutions that are ideal for small businesses or workgroups within larger organizations. These high-speed switches offer entry-level management without the cost and complexity of a full Layer 2 managed switch.

The SLM2005 switch is ideal for conference rooms, labs, shipping/receiving departments or in marketing, design or audio/visual workgroups. The five 10/100/1000 Mbps (Gigabit Ethernet) ports enable companies to link to other Gigabit devices on the network (servers, workstations and network storage) to quickly move bandwidth-intensive files while still supporting 10/100 Mbps clients.

The SLM2005 supports the IEEE802.3af standard for Power over Ethernet (PoE) for obtaining its power over a designated PD port or from an external AC power adapter. This gives companies the option to install the switch in places where a power outlet may not be present, such as in ceilings and in walls.

The SLM2005 is able to secure the network through IEEE 802.1Q VLANs and IEEE 802.1X port authentication. For environments where IP multicast applications are used, the switch is capable of limiting the traffic to only the ports that have requested that traffic with support of IGMP Snooping. Additional QoS capabilities like IEEE 802.1p, DSCP, and 4 hardware queues make it possible to maintain good quality for real-time applications like voice and video.

The SLM2005 offers an easy-to-use browser interface for the management and configuration of the features, making it ideal for small businesses without an IT staff or that have minimal technical expertise.

5 Gigabit Ethernet ports ideal for small workgroups moving large files

Can obtain power from a standard 802.3af PoE switch or from an external AC power outlet

Entry-level management at a cost-effective price point

Easy to use Web browser interface makes installation quick and easy



SLM2005

PRODUCT DATA

5-Port 10/100/1000 Gigabit Smart Switch with PD and AC Power

BUSINESS SERIES

Model: SLM2005



Features

- 5 10/100/1000 Gigabit Ethernet ports
- 10 Gbps, non-blocking, Store-and-Forward switching capacity
- Support IEEE 802.3af PoE-PD (Powered Device) on port 1 as an optional power supply
- Simplified QoS management using 802.1p and DSCP traffic prioritization specifications
- WebSmart management enables configuration and monitoring from a standard web browser
- 802.1Q based VLANs enable segmentation of networks for improved performance and security
- Port level security via 802.1X authentication
- Increased the bandwidth and added link redundancy with Link Aggregation Control Protocol (LACP)
- Storm control on multicast and broadcast traffic
- Many to one port mirroring for noninvasive monitoring of switch traffic
- Jumbo frame support (9KB)
- Simple interface counters support

PRODUCT DATA

BUSINESS SERIES

5-Port 10/100/1000 Gigabit Smart Switch with PD and AC Power

Specifications

Model	SLM2005
Ports	5 RJ-45 Connectors for 10BASE-T/100BASE-TX/1000BASE-T Auto MDI/MDI-X Autonegotiate/Manual Setting
Buttons	Reset
Cabling Type	UTP CAT5 or Better for 10BASE-T/100BASE-TX, UTP CAT5e or Better for 1000BASE-T
LEDs	Link/Act, System

PoE

802.3af PoE-PD Compatible on Port 1. Supply System Power Without an External Power Adapter

Performance

Switching Capacity	10 Gbps, Non-Blocking
Forwarding Rate	7.44 Mpps Wire-Speed Performance

Layer 2

MAC table size	8K
Number of VLANs	16 Active VLANs (4096 Range)
VLAN	Port-Based and 802.1Q Tag-Based VLANs
HOL Blocking	Head of Line Blocking Prevention

Management

Web User Interface	Built-in Web UI for Easy Browser-Based Configuration
Firmware Upgrade	Web Browser Upgrade (HTTP)
Port Mirroring	Traffic on a Port can be Mirrored to Another Port for Analysis with a Network Analyzer
Other Management	RADIUS Port Mirroring DHCP Client PING

Security

IEEE 802.1x	802.1x - RADIUS Authentication. MD5 Encryption
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Availability

Link Aggregation	Link Aggregation using IEEE 802.3ad LACP Up to 5 Ports in up to 2 Groups
Storm Control	Broadcast and Multicast
Spanning Tree	IEEE 802.1D Spanning Tree
IGMP Snooping	IGMP (v1/v2) Snooping Limits Bandwidth-Intensive Video Traffic to Only the Requestors. Support 16 Multicast Groups

QoS

Priority levels	4 Hardware Queues
Scheduling	Priority Queuing and Weighted Round Robin (WRR)
Class of Service	Port-Based 802.1p VLAN Priority Based IPv4/v6 IP DSCP Based

Standards

802.3 10BASE-T Ethernet, 802.3u 100BASE-TX Fast Ethernet, 802.3ab 1000BASE-T Gigabit Ethernet, 802.3z Gigabit Ethernet, 802.3x Flow Control, 802.3ad LACP, 802.3af PoE, 802.1D STP, 802.1Q/p VLAN, 802.1X Port Access Authentication

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Linksys products are available in more than 50 countries, supported by 12 Linksys Regional Offices throughout the world. For a complete list of local Linksys Sales and Technical Support contacts, visit our worldwide website at www.linksys.com

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Environmental

Dimensions	
W x H x D	5.12" x 1.12" x 5.12" (130 x 28.5 x 130 mm)
Unit Weight	0.84 lb (0.382 kg)
Power	External AC Power Adapter, and IEEE 802.3af Compatible PoE-PD
Certification	FCC Part15 Class B, CE Class A, UL, cUL, CE mark, CB
Operating Temp.	0 to 40°C (32 to 104°F)
Storage Temp.	-20 to 70°C (-4 to 158°F)
Operating Humidity	10 to 90%
Storage Humidity	10 to 95%

Package Contents

- SLM2005 with 5 10/100/1000 Ports
- AC Power Adapter with Power Cord
- CD with User Guide in PDF Format
- Online Registration Card

Minimum Requirements

- Web-Based Utility: Web Browser—Microsoft Internet Explorer (Version 6.0 or Above), Firefox (Version 2.0.0.1 or Above)
- CAT5 Ethernet Network Cable
- Switch/Router with Power Over Ethernet (PoE) Support Or PoE Injector when used with PoE
- Operating System: Windows®, XP or Above

Warranty

- 5 Years