

## Rack & Desktop 1000 Switch

# Robust and reliable Plug & Play Gigabit Ethernet Switch



## Features

- **Fully compliant with 10BASE-T/IEEE802.3u 100BASE-TX/IEEE802.3z 1000BASE-SX, 1000BASE-T Standards**
- **Complies with IEEE802.3 Ethernet, IEEE 802.3u Fast Ethernet and IEEE802.3ab Gigabit Ethernet Standards**
- **Provides 5, 8, 16, 24 10/100/1000Mbps Gigabit switching ports**
- **Dedicated full-duplex 2Gbps Bandwidth on each port**
- **Provides full wire speed filtering and forwarding rate**
- **All ports provide Auto-Negotiation and Auto-MDI/MDI-X functions**
- **Supports broadcast storm filtering**

## Overview

This Desktop Gigabit Ethernet Switch that is designed for small or medium network environment to strengthen its network connection. This product is compact in size, making it ideal for Desktop users with limited space. It also gives you the option of installing it in a 10" /19" cabinet by rack-mount kits or underneath a desk.

### High-Speed Networking

This ethernet switches provide an excellent solution for expanding your Gigabit network. By Gigabit speed, this product provides high flexibility and high bandwidth connectivity to servers, workstations and other attached devices. It enables you to save time transferring large files.

### Auto-MDI/MDI-X

Every port can automatically sense your type of cable, so there is no need for crossover cables whether you are connecting this switch to another switch or to a computer.

### Auto-Negotiation

Every port can automatically sense if the connected network device is running at 10Mbps, 100Mbps or 1000Mbps and Half/Full-Duplex mode, and adjust accordingly.

### Non-Blocking

This switch receives and forwards traffic seamlessly with its non-blocking wire-speed. Every port simultaneously supports up to 2000Mbps of bandwidth in full-duplex mode. This feature provides full wire speed to the connected devices and allows you to run a smooth network.

### Store and Forward

By this function, this switch can maximize network performance while minimizing the propagation of bad network packets.

## Highlights

Performs full wire-speed switching with Head of Line (HOL) blocking prevention

Supports flow control: Back pressure for Halfduplex and IEEE802.3x for Full-duplex mode

9" compact size, and can be rack-mount to 10" or 19"

Provides 4K MAC address entry

Embedded 3.5 Mb SRAM for packet buffer

Support packet length up to 1522 bytes

Support 9K Byte JUMBO packets

Internal switching power supply

Power consumption: 10 Watts

Status LED: Power per set and 1000/Activity, 1000/M, Link/ACT per port

## Engine

Standards: IEEE 802.3 10BaseT; IEEE 802.3u 100BaseTX;  
IEEE 802.3ab 1000BaseT; IEEE 802.3x Flow Control

## Features

MAC Address: LBS206AE: 4K;  
LBS209AE+LBS215AE+LBS226AE: 8k; Buffer Memory:  
LBS206AE: 1Mb; LBS209AE: 114KB, LBS215AE: 340KB,  
LBS226AE: 500KB Jumbo Frames: LBS206AE: 4.6K;  
LBS209AE+LBS215AE+LBS226AE: 9.6K Transmission Method:  
Store and Forward

## Filtering/Forwarding Rates

1000Mbps port - 1,488,000pps;  
100Mbps port - 148,800pps;  
10Mbps port - 14,880pps

## Transmission Media

10BaseT Cat. 3, 4, 5 UTP/STP;  
100BaseTX Cat. 5 UTP/STP;  
1000BaseT Cat. 5E UTP/STP

**Management** Indicators: (1) Power, (1) Link/Act per Port

## Physical and environmental

Size: (L x W x H):

LBS206AE+LBS209AE: 228 x 123 x 44mm;

LBS215AE+LBS226AE: 440 x 220 x 44mm

Weight (kg):

LBS206AE+LBS209AE: 1.2 kg;

LBS215AE: 2.9 kg;

LBS226AE: 3.0kg

Operating temperature: 0 to 40 °C

Storage Temperature: 20 to 60 °C

Operating humidity: 10 to 90% RH (non-condensing)

Power supply: LBS206AE+LBS209AE: internal 100-240VAC,  
50-60Hz; LBS215AE+LBS226AE: 90-260VAC, 50-60Hz

Power Consumption: LBS206AE: 9.2 Watt (max.); LBS209AE:  
12 Watt (max.); LBS215AE+LBS226AE: 20 Watt (max.)

## Plug & Play Switch

Article	Description
LBS206AE	Plug & Play Switch 5 Ports
LBS209AE-R2	Plug & Play Switch 8 Ports
LBS215AE	Plug & Play Switch 16 Ports
LBS226AE	Plug & Play Switch 24 Ports