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Product Specification

5/8-Port 10/100Mbps Desktop Fast Ethernet Switch

SW-504

SW-804

Version 1.0

Change History:

Revision:	Date:	Author:	Change List
Version 1.0	2007/11/01	Berton Yeh	Initial Release

Author:	Berton Yeh	Editor:	Berton Yeh
Reviewed By:	Kent Kang	**Approved By:**	Tom Shih

1. PRODUCT DESCRIPTION

With concepts of **"Easy to Install and use"**, **"Compact-sized design"**, and **"Simple troubleshooting"**, PLANET SW-504/SW-804 provides cost-conscious business and home users with the foundation of an integrated system of small-office / home-office networking. The SW-504/SW-804 is the fancy-shape plastic models and just right for your network of 10 to 50 users.

The SW-504/SW-804 Desktop Fast Ethernet Switch is a Simple and cost-effective, highly reliable network switch. And is the ideal device for bridging Ethernet to Fast Ethernet workgroups or networks. Therefore, the Switches will be the fast being recognized as one of the most important building blocks for today networking technology.

To segment the network, ease the network traffic, the 5/8-Port 10/100Mbps are useful for the SOHO switched networks as the friendly network backbone. Provides array LED indicators, the network status can be monitored at a glance.

2. PRODUCT FEATURES

- ☐ Comply with IEEE 802.3, 10Base-T, IEEE 802.3u, 100Base-TX
- ☐ 5/8-Port 10/100Mbps Auto-Negotiation ports - 10/20Mbps, 100/200Mbps Auto-sensing
- ☐ Compact size design for wall mount or desktop placement
- ☐ High performance Store-and-Forward Switching Architecture
- ☐ Runt and CRC filtering
- ☐ Flow control (Back Pressure) supports in half-duplex mode
- ☐ 1K MAC Address Table, automatically learning and aging
- ☐ LED indicators array for easy diagnostic, troubleshooting
- ☐ Plug-and-Play Installation
- ☐ Wall-mountable
- ☐ Auto-MDI/MDIX on each port
- ☐ FCC Part 15 Class B, CE

3. PRODUCT SPECIFICATION

3.1 MAIN COMPONENT

SW-504:

    Switch ASIC: Realtek RTL8305S x 1

SW-804:

    Switch ASIC: Realtek RTL8309SB x 1

3.2 FUNCTION SPECIFICATION

| Model	SW-504	SW-804
Hardware Specification		
Network Ports	5-Port 10/100Mbps	8-Port 10/100Mbps
Dimensions (W x D x H)	184 x 110 x 30 mm	
Weight (kg)	0.17 KG	
Power Requirement	External Power adapter DC 9V, 700 mA	
Switch Specification		
Switch Architecture	Store-and-Forward	
Address Table	1K entries, auto learning/ageing	
Flow Control	IEEE 802.3x full duplex operating and flow control	
Packet Control	Runt & CRC filtering, Broadcast storm control	
Switch Throughput	0.74Mpps	1.19Mpps
Switch Fabric	1Gbps	1.6Gbps
Shared Buffer	384K	768K
Standard Conformance		
Network Standards	IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet) and IEEE 802.3x (Flow control)	
Temperature	0~50ºC (operating), -20~70ºC (storage)	
Humidity	5% to 90% non-condensing (operating), 5% to 90% non-condensing (storage)	
Regulation Compliance	FCC Part 15 Class B, CE	

3.3 PHYSICAL SPECIFICATIONS:

Dimensions (W × D × H):

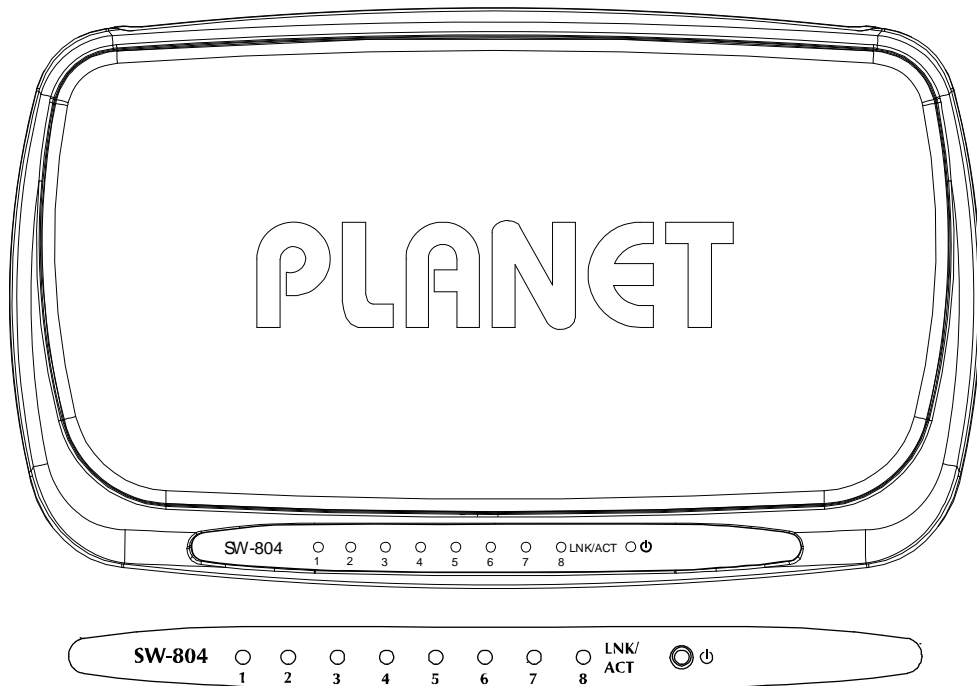184 x 110 x 30 mm

Weight:

0.17 kg (SW-504/SW-804)

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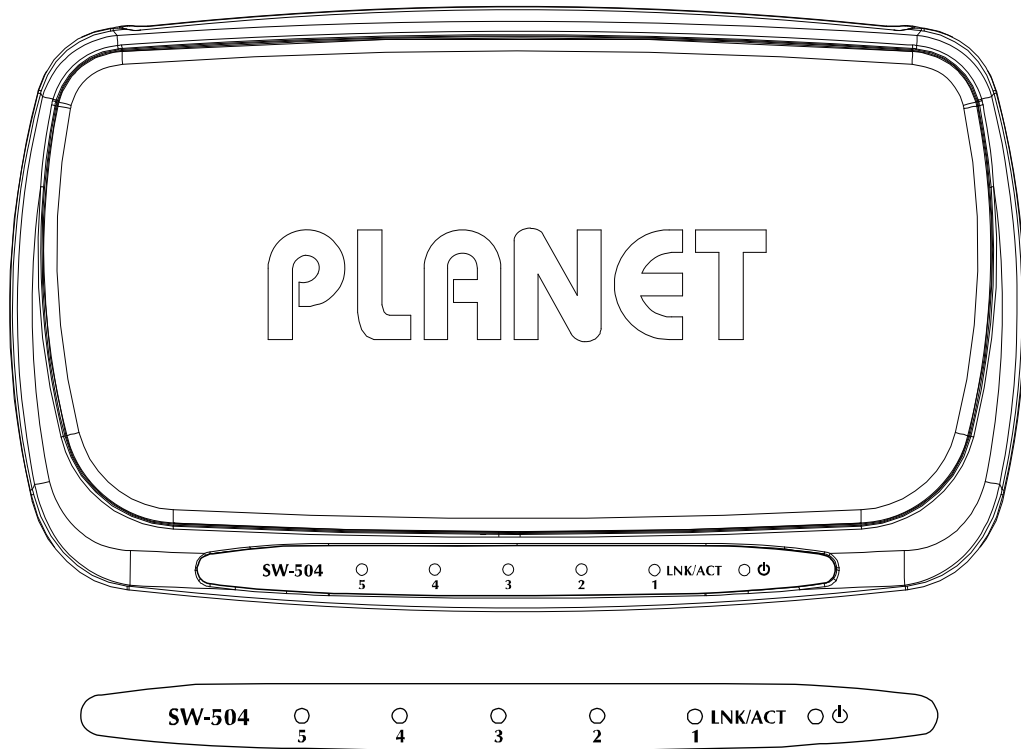
■ **SW-504 Front Panel:**

■ **SW-504 Rear Panel:**
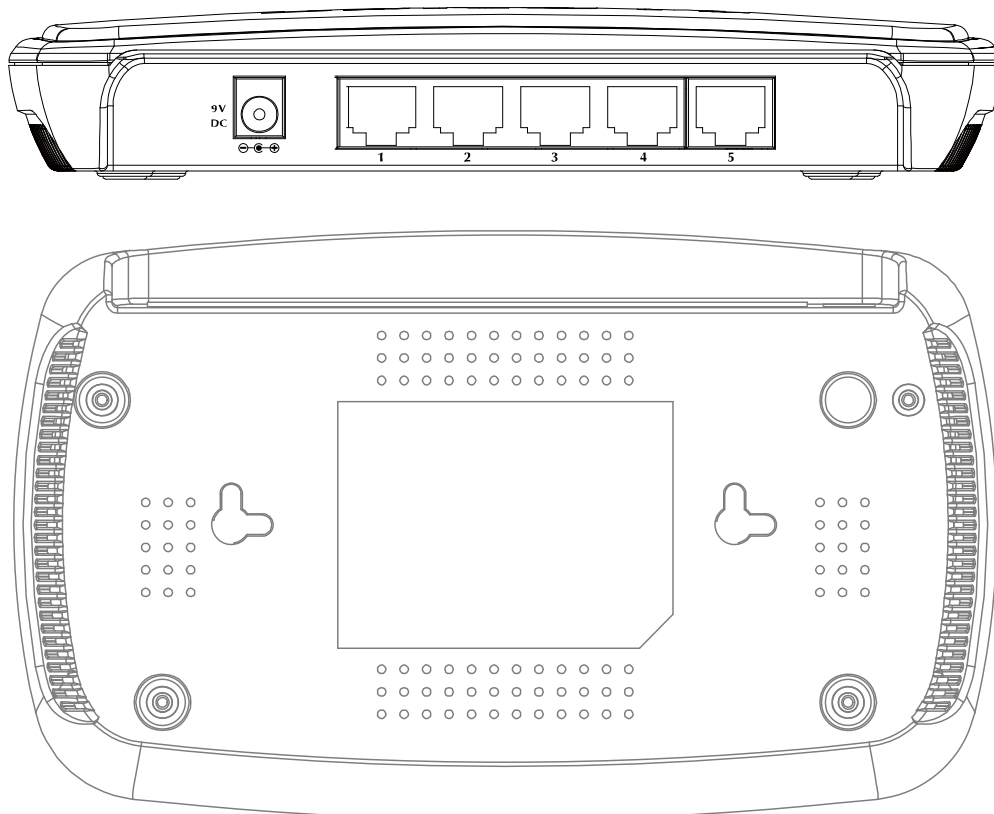
■ **SW-804 Front Panel**

■ **SW-804 Rear Panel:**
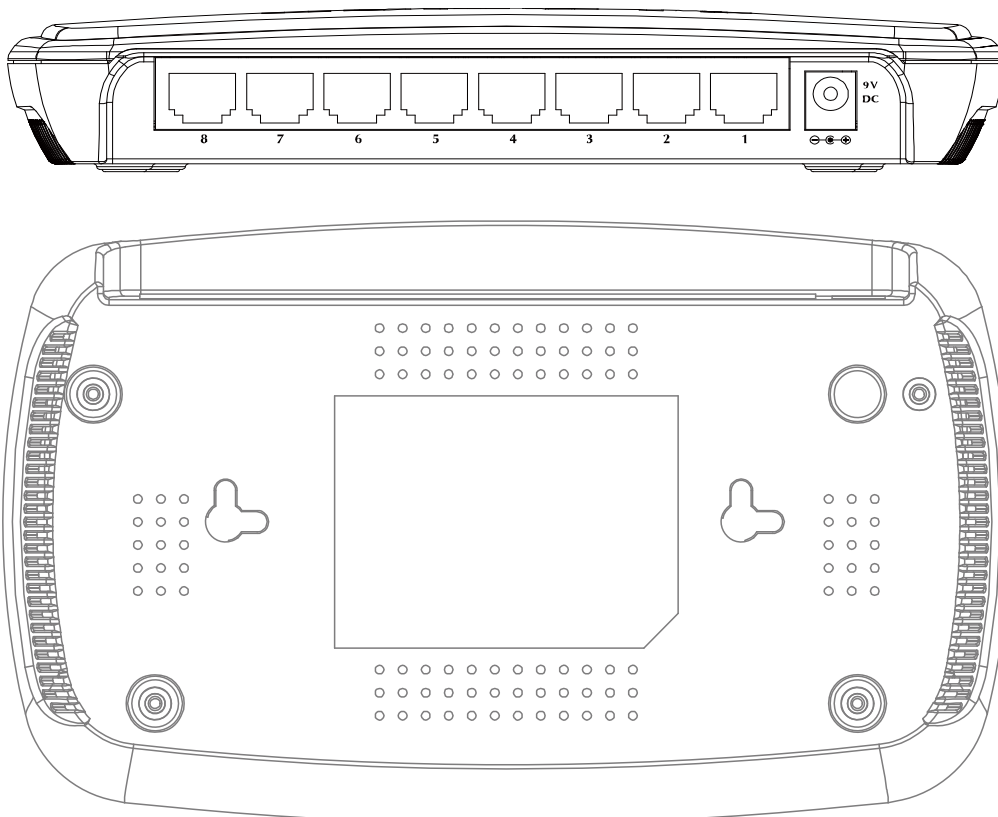
LED definition

LED	Color	Function
PWR	Green	Lights to indicate that the Switch is powered on.
LNK/ACT	Green	Lit: indicate the link through that port is successfully established.
		Blink: indicate that the Switch is actively sending or receiving data over that port.

3.4 ENVIRONMENTAL SPECIFICATION

Operating

    Temperature: 0°C ~ 50°C

    Relative Humidity: 5% ~ 95% (non-condensing)

Storage

    Temperature: -20°C ~ 70°C

    Relative Humidity: 5% ~ 95% (non-condensing)

3.5 ELECTRICAL SPECIFICATION

    Input Voltage: DC 9V, 700 mA

    Power consumption: SW-504: 1.53 watts/ 5 BTU

    SW-804: 2.25 watts/ 8 BTU

3.6 REGULATORY COMPLIANCE

FCC Part 15 Class B, CE.

3.7 REALIABILITY

MTBF > 50,000 hrs @ 25 decree C

3.8 BASIC PACKAGING

Desktop Fast Ethernet Switch x 1

Power Adapter x 1

User's manual x 1

3.9 Packing Dimension

    Dimension: 220 x 160 x 65mm (W x D x H)

    Gross Weight: 0.65 KG (SW-504/SW-804)

    15pcs in one carton