



USH5008-XPE

8-Port 10/100M Nway Switch

Store-and-Forward Architecture for Reliable Network



FEATURES

- Complies with IEEE802.3 & IEEE802.3u standards
- 8 x RJ-45 ports for 100Base-TX and 10Base-T Ethernet connectivity
- Supports NWay protocol for speed (10/100Mbps) and duplex mode (Half/Full) detection
- All ports with auto MDI-X function for switch-to-station and switch-to-switch connection with non crossover cable
- Supports full and half duplex operation on all ports
- Operates at maximum packet filtering & forwarding rate
- Store and forward architecture filters fragment and CRC error packets
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Supports 1K MAC address entries in whole system
- Supports 768K bites buffer memory
- Wire-speed packet filtering and forwarding rate
- Supports extensive LED indicators for network diagnostics
- Mini size plastic case design

PACKAGE CONTENTS

- One 8-port Nway Switch
- One User's Guide
- One External Power Adapter

OVERVIEW

The USH5008-XPE is a powerful, high performance, and high efficiency Fast Ethernet switching hub, with all 8 ports capable of 10 or 100M auto-negotiation operation (NWay) which means the switch could automatically negotiate with the connected partners on the network speed and duplex mode. It is ideal for micro-segmenting large networks into smaller, connected subnets for improved performance, enabling the bandwidth demanding multimedia and imaging applications. Moreover, the 10/100M auto-sensing ability provides an easy way to migrate 10M to 100M networks with no pain.

Compared to the shared 10M or 100M networks, the NWay switch delivers a dedicated 10/100M connection to every attached client with no bandwidth congestion issue. Duplex mode also doubles the bandwidth by enabling two-ways communication

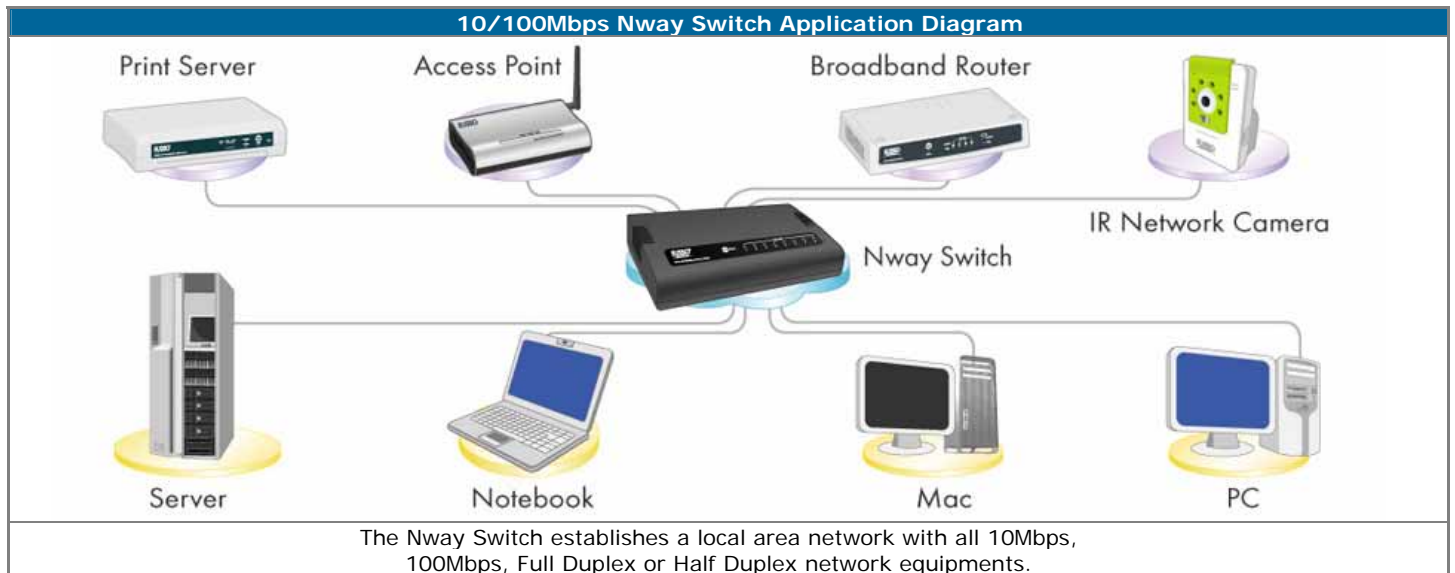
Store-and-forward switching mode promises the low latency plus eliminates all the network errors, including runt and CRC error packets. To work under full-duplex mode, transmission and reception of the frames can occur simultaneously without causing collisions as well as double the network bandwidth.

The switch is plug-and-play without any software to configure and also fully compliant with all kinds of network protocols. Therefore, it makes the installation & network management easily and fast. Moreover, plenty of diagnostic LEDs provide the operating status of individual port and whole system. The Easy-to-tell LED indicators are the best helper of users to do real time diagnostic for your network.

SPECIFICATIONS

System Specifications	
Ethernet Standard	IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x Full duplex operation and flow control
Interface	8 * 10/100Mbps RJ-45 Ethernet ports
Auto MDI-X Support	All Ports
Network Speed	10/100Mbps Full/Half duplex mode auto detection
Diagnostic LED	System: Power Port: Link/Act
MAC Address Entry	1K MAC entries
Buffer Memory	768K bytes for the whole system
Filtering / Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps
Installation	Desktop plastic case, compact size
Operating Temperature	0° ~ 40°C (32° ~ 104°F)
Operation Humidity	10% ~ 90% (non-condensing)
Dimension	150 (L) x 80 (W) x 30 (H) mm
Weight	160g (Net)
Power Supply	External Power Adapter 5VDC, 0.6A
Emission Certification	CE, FCC, VCCI Class

APPLICATION DIAGRAM



ORDERING INFORMATIONS

Model	Description
USH5008-XPE	8-port 10/100M Desktop SOHO Nway Switch, 5V 0.6A Power Adapter

EUSSO Technologies, Inc. is a dedicated data communication and networking company. With professional experiences in design, production, marketing and service support, we deliver the full range networking products including Gigabit Ethernet, Fiber Optic, Wireless LAN, Switches, Hubs, LAN cards, PCMCIA adapters, Converter, Transceivers. As well as Internet Telephony Gateway, Print Servers, Internet Sharing Servers and many others.

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