



## 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.

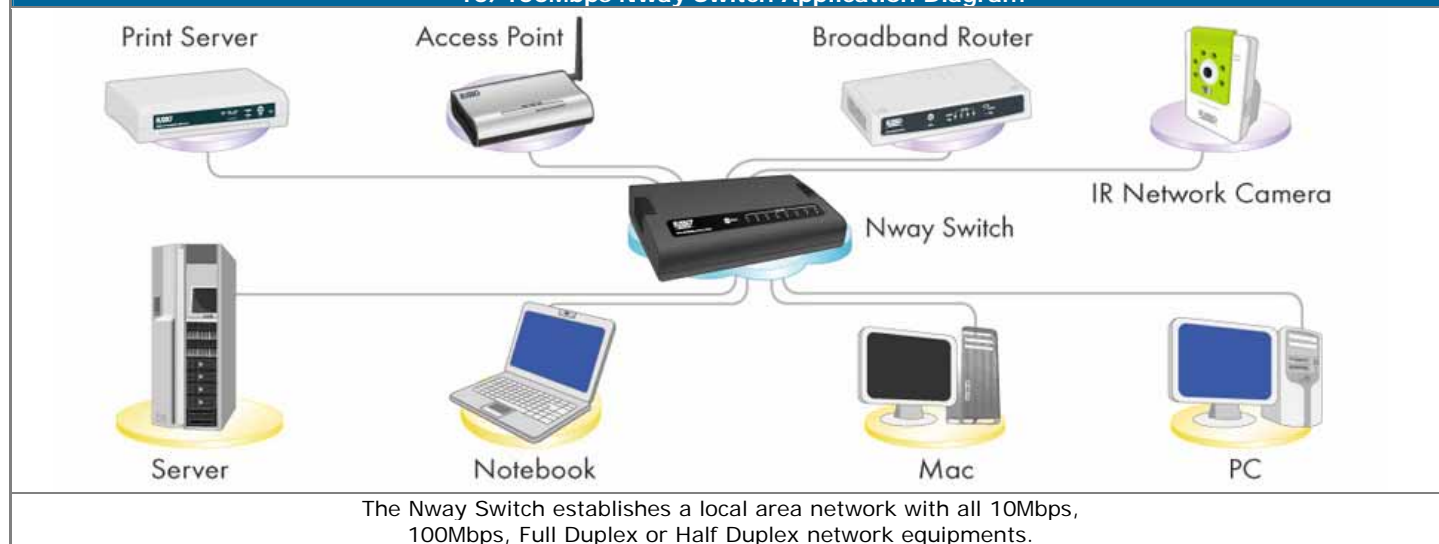
The switch is plug-and-play without any software to configure and also fully compliant with all kinds of network protocols. Therefore, it makes the installation & network management easily and fast. Moreover, plenty of diagnostic LEDs provide the operating status of individual port and whole system.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

## SPECIFICATIONS

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

## APPLICATION DIAGRAM

10/100Mbps Nway Switch Application Diagram



## ORDERING INFORMATION

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

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