



USH5005-XPC

5-Port 10/100M Nway Switch

Store-and-Forward Architecture for Reliable Network



FEATURES

- Complies with IEEE802.3 and IEEE802.3u standards
- 5 x RJ-45 ports for 100Base-TX and 10Base-T 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 and forwarding rate
- Store and forward architecture filters fragment and CRC error packets
- Supports extensive LED indicators for network diagnostics
- Supports 1K MAC address entries in whole system
- 512K bites buffer memory
- Mini size plastic case design

PACKAGE CONTENTS

- One 5-port SOHO Nway Switch
- One User's Manual
- One External Power Adapter

OVERVIEW

The 5-Port 10/100Mbps Nway Switch device is a powerful, high-performance Fast Ethernet switch, with all 5 ports capable of 10 or 100Mbps auto-negotiation operation (Nway), which means the switch could automatically negotiate with the connected partners on the network speed and duplex mode. All ports support auto MDI/MDI-X function, connecting switch to switch is more convenient with non-crossover cable.

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 10/100Mbps auto-sensing ability provides an easy way to migrate 10Mbps to 100Mbps networks with no pain. Compared to the shared 10Mbps or 100Mbps networks, the switch delivers a dedicated 10/100Mbps connection to every attached client with no bandwidth congestion issue.

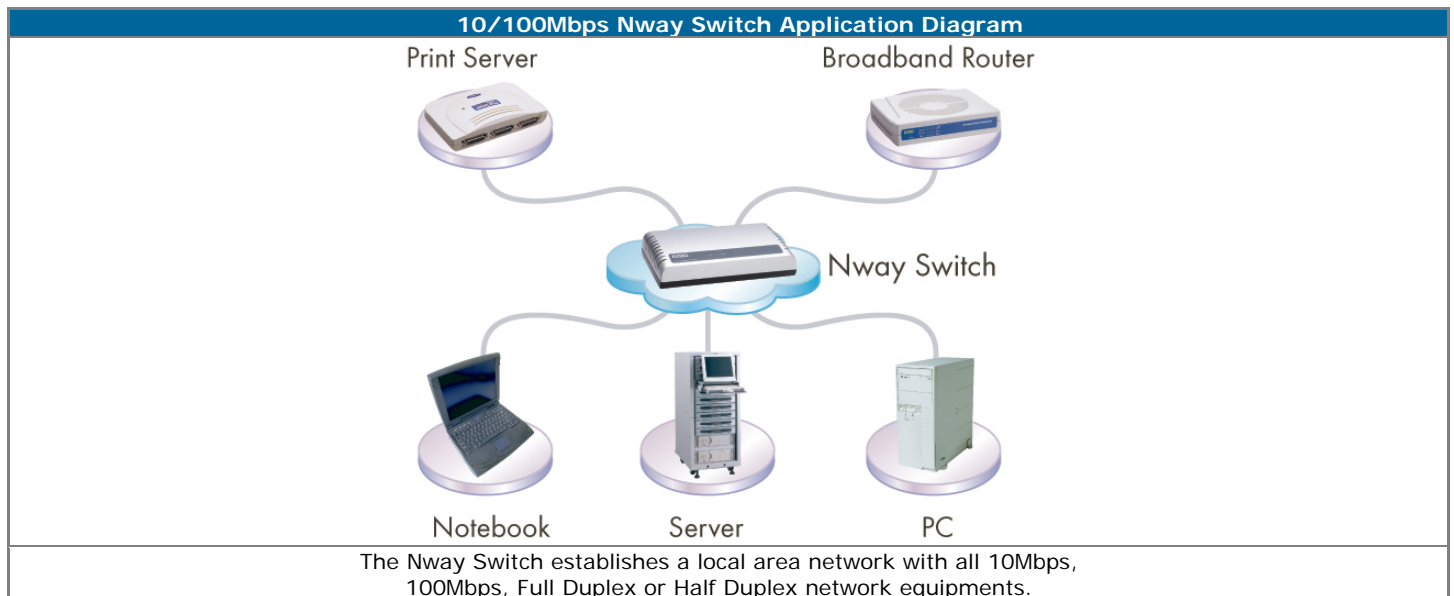
Store-and-forward switching mode promises the low latency plus eliminates all the network errors, including runt and CRC error packets. To work under full-duplex mode, transmission and reception of the frames can occur simultaneously without causing collisions as well as double the network bandwidth.

The switch is plug-and-play without any software to configure and also fully compliant with all kinds of network protocols. Moreover, plenty of diagnostic provide the operating status of individual port and whole system.

SPECIFICATIONS

| System Specifications | |
|-----------------------------|--|
| Ethernet Standard | IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x Full duplex operation and flow control |
| Interface | 5 * 10/100Mbps RJ-45 Ethernet ports |
| Uplink | Auto MDI/MDI-X (Auto Crossover) |
| Network Speed | 10/100Mbps Full/Half duplex mode auto detection |
| Diagnostic LED | System: Power Link/Act: 10Mbps; 100Mbps |
| MAC Address Entry | 1K MAC entries |
| Memory | 512K 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° ~ 55°C (32° ~ 131°F) |
| Operation Humidity | 10% ~ 95% (non-condensing) |
| Dimension | 148 (L) x 78 (W) x 27 (H) mm |
| Weight | 155g |
| Power Supply | External Power Adapter 5VDC, 0.6A |
| Emission Certification | CE, FCC, VCCI Class B |

Application Diagram



ORDERING INFORMATIONS

| Model | Description |
|-------------|---------------------------------|
| USH5005-XPC | 5-port 10/100M SOHO Nway Switch |

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