EUSSO

Quality Networks

USH5008-XPQ

8-Port 10/100M QoS Nway Switch

High-priority QoS ports for bandwidth-sensitive connection

8 Port | **QoS 802.1P** | **Full Duplex** | **MDI MDI-X** | **100 Mbps** | **10 Mbps**

FEATURES

- Complies with IEEE802.3 and IEEE802.3u standards

- 8 x RJ-45 ports for 100Base-TX and 10Base-T connectivity

- QoS ports (Port 1, 2, 3) provides a high-priority service for those bandwidth-sensitive application

- 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

- Mini size plastic case design

PACKAGE CONTENTS

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

OVERVIEW

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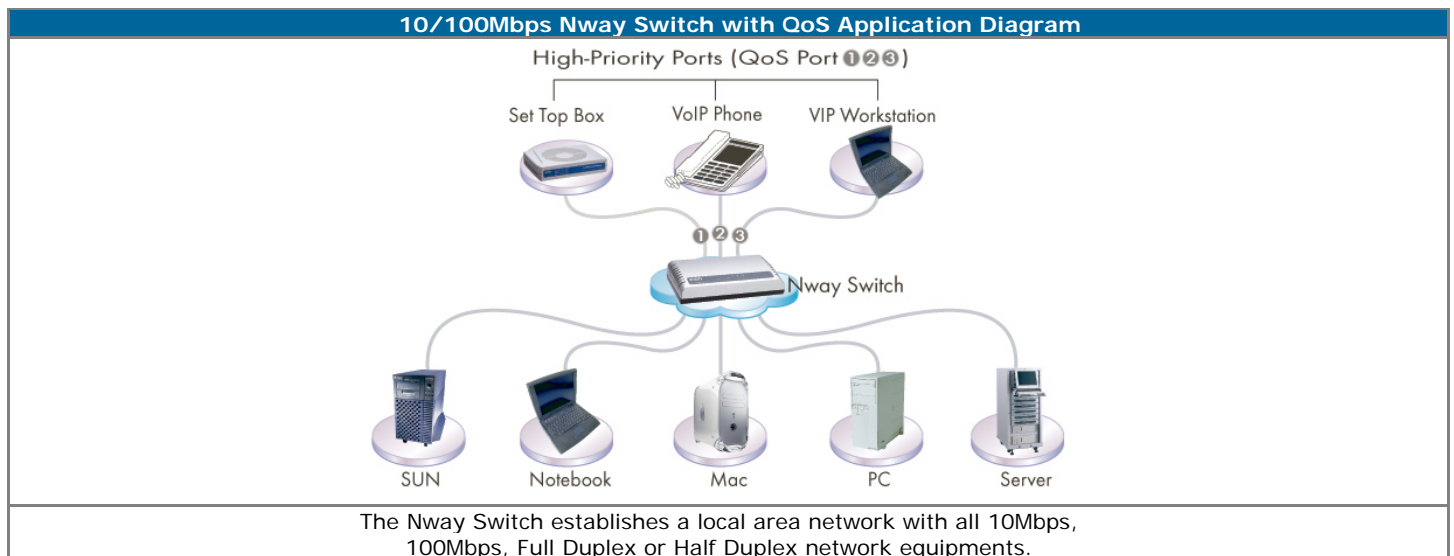
The switch is plug-and-play without any software to configure and also fully compliant with all kinds of network protocols. Moreover, plenty of diagnostic provide the operating status of individual port and whole system.

This device provides Quality of Service (QoS) feature for those bandwidth sensitive applications such as real-time video (Set Top Box), VoIP (Voice over IP), on-line games, internet media, or very important person connection (VIP Managing Team) in higher priority link to get data/voice sent first to ensure the network quality.

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
Uplink	Auto MDI/MDI-X (Auto Crossover)
QoS Reserved Ports	Port 1, 2, and 3
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	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° ~ 55°C (32° ~ 131°F)
Operation Humidity	10% ~ 95% (non-condensing)
Dimension	148 (L) x 78 (W) x 27 (H) mm
Weight	175g (Net)
Power Supply	External Power Adapter 5VDC, 0.6A
Emission Certification	CE, FCC, VCCI Class B

Application Diagram

10/100Mbps Nway Switch with QoS Application Diagram

The Nway Switch establishes a local area network with all 10Mbps, 100Mbps, Full Duplex or Half Duplex network equipments.

ORDERING INFORMATIONS

Model	Description
USH5008-XPQ	8-port 10/100M Nway Switch with QoS ports

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