



## USH5016-XPC

### 16-Port 10/100Mbps Nway Switch Fast Ethernet Store-and-Forward Switch

#### FEATURES

- Complies with 10BASE-T specifications of the IEEE802.3 standard
- Complies with 100BASE-TX specifications of the IEEE802.3u standard
- Complies with IEEE802.3x Full Duplex operation and Flow Control
- 16 \* RJ-45 ports for 100BASE-TX and 10BASE-T connectivity
- Supports NWay protocol for speed (10/100Mbps) and duplex mode (Half/Full) auto-detection
- All Supports MDI/MDI-X auto crossover
- Supports full and half duplex operation on all ports
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- Supports 8K MAC address entries
- 512KBytes buffer memory
- Supports extensive LED indicators for network diagnostics
- External linear power adapter (12V/1A)

#### OVERVIEW

The 16-Port 10/100Mbps Nway Switch device is a powerful, high-performance Fast Ethernet switch, with all 16 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.

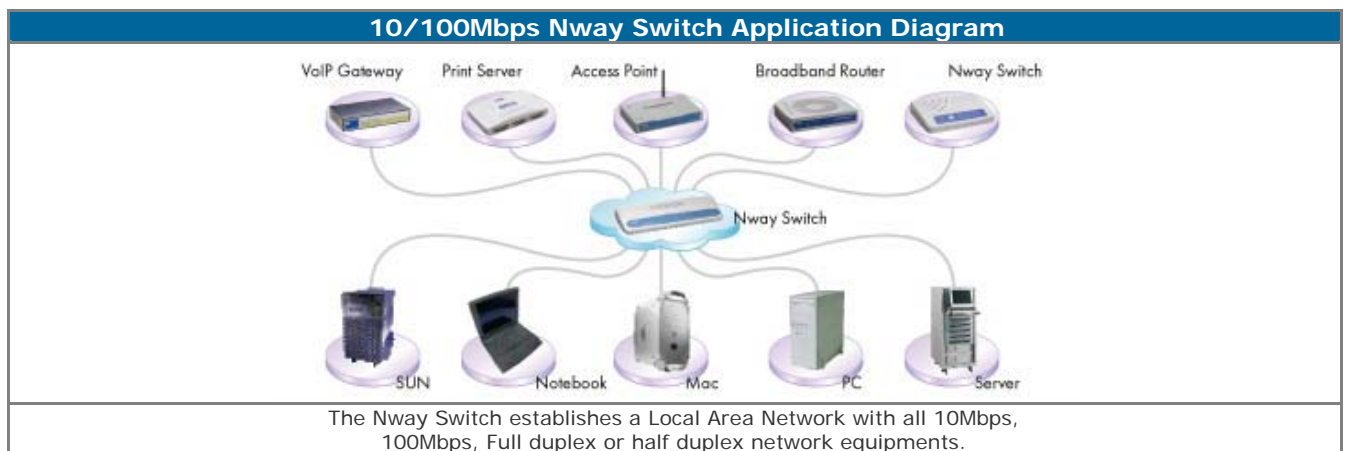
It is ideal for micro-segmenting large networks into smaller, connected subnets for improved performance, enabling the bandwidth demanding multimedia and imaging applications. Moreover, the 10/100Mbps auto-sensing ability provides an easy way to migrate 10Mbps to 100Mbps networks with no pain. Compared to the shared 10Mbps or 100Mbps networks, the switch delivers a dedicated 10/100Mbps connection to every attached client with no bandwidth congestion issue.

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

## SPECIFICATIONS

System Specifications	
Standard	IEEE802.3, 10BASE-T IEEE802.3u, 100BASE-TX IEEE802.3x Full Duplex operation and Flow Control
Interface	16 * RJ-45 NWay switching ports
NWay Protocol Support	Network speed: 10 / 100Mbps Duplex mode: Full and Half
Auto MDI-X Support	All 16 ports with auto MDI/MDI-X function
MAC Address Table	8K entries
System Memory	512K Bytes for the whole system
Network Data Rate	Auto-negotiation (10Mbps, 100Mbps)
Filtering/Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps
Cable Connections	RJ-45 (10BASE-T) : Category 3,4,5 UTP/STP RJ-45 (100BASE-TX) : Category 5 UTP/STP
LED indicators	System: Power Port: 100M, Link/Activity
Power Supply	12VDC 1A Power Supply
Dimension	290 x 100 x 30 mm / 11.4 x 3.94 x 1.18 inch
Weight	480g / 1.06lb
Emission	FCC Class A, CE
Transmission Mode	Auto-negotiation (Full-duplex, Half-duplex)
Operating Temperature	0° ~ 50°C (32° ~ 122°F)
Operation Humidity	10 ~ 90% non-condensing
Installation	Desktop Wall mounting
Power	External power adapter, 12VDC, 1A

## Application Diagram



## ORDERING INFORMATION

Model	Description
USH5016-XPC	16-Port 10/100Mbps Nway Switch

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Ver:1.00