USH5016-DXA

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
- 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
- Supports MDI/MDI-X auto crossover
- Supports full and half duplex operation on all ports
- Supports back-pressure (half duplex) and flow control (IEEE 802.3x)
- Wire-speed packet filtering and forwarding rate
- Store-and-forward architecture filters fragment & CRC error packets
- Supports 8K entries
- 4Mbits buffer memory
- Supports extensive LED indicators for network diagnostics
- Desktop 10.5″ metal case with 19″ rack mount bracket
- Internal universal switching power supply

OVERVIEW

The 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.
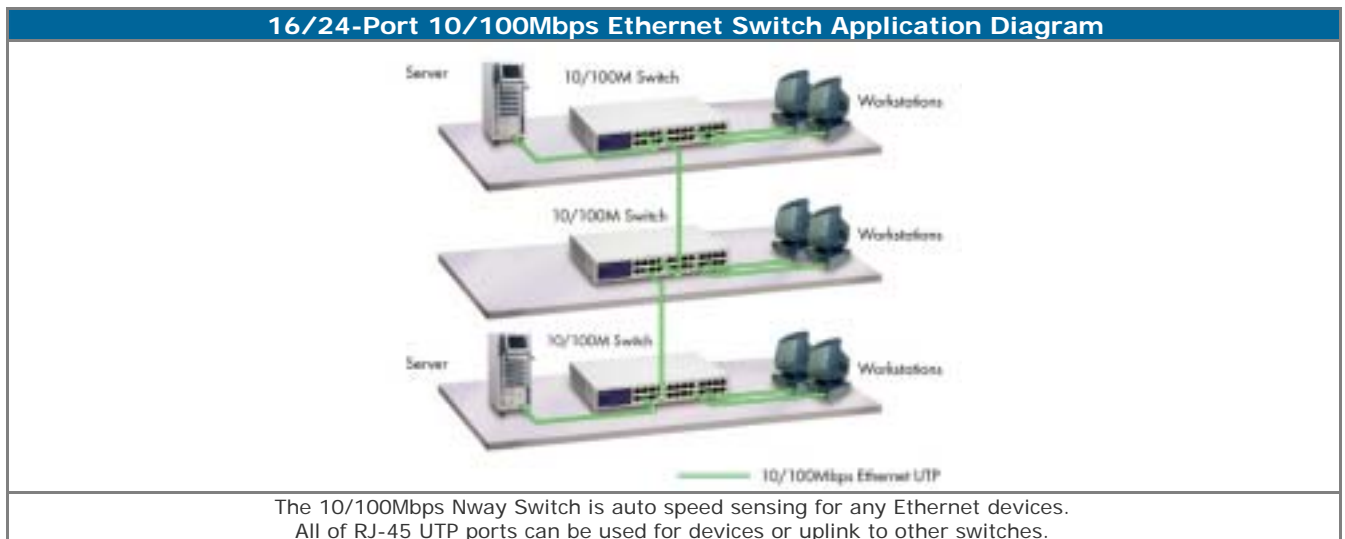
It is ideal for micro-segmenting large networks into smaller, connected subnets for improved performance, enabling the bandwidth demanding multimedia and imaging applications. Moreover, the 10/100Mbps auto-sensing ability provides an easy way to migrate 10Mbps to 100Mbps network with no pain. Compared 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.

System Specifications	
Standard	IEEE802.3 for 10BASE-T IEEE802.3u for 100BASE-TX IEEE802.3x Full-Duplex operation and Flow Control
Interface	16 * 10/100Mbps RJ-45 NWay ports
NWay Protocol Support	Network speed: 10Mbps and 100Mbps Duplex mode: Full and Half
Buffer Memory	4MBytes for the whole system
Filtering/Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps
Emission	FCC Class A, CE
Rich LED indicators	System: Power Port: Link/Activity
Operating Temperature	0° ~ 50°C (32° ~ 122°F)
Operation Humidity	10% ~ 90% (non-condensing)
Dimension	267 x 161 x 44 mm
Power Supply	100 ~ 240VAC, 50~60 Hz (internal 3.3V 2A)
Installation	10.5″ Desktop metal case with 19″ rack mount bracket

Application Diagram

16/24-Port 10/100Mbps Ethernet Switch Application Diagram
The 10/100Mbps Nway Switch is auto speed sensing for any Ethernet devices. All of RJ-45 UTP ports can be used for devices or uplink to other switches.

ORDERING INFORMATIONS

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

Ver:1.00