



JSH1600R

16-Port Fast Ethernet Switch

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.

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

Key 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 MAC entries
- 1.25M bits buffer memory
- Supports extensive LED indicators for network diagnostics
- 10.5-inch desktop design
- Internal universal switching power supply
- FCC Class A, VCCI Class A, CE



Specification:

Standard

IEEE802.3, IEEE802.3u and IEEE802.3x standards

Interface

16 * 10/100Mbps RJ-45 NWay ports

NWay Protocol Support

Network speed: 10Mbps and 100Mbps

Duplex mode: Full and Half

Buffer Memory

1.25M bits 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/Act

Operating Temperature

0°- 50°C(32°- 114°F)

Operating Humidity

10% ~ 90% (non-condensing)

Dimension

280x170x44mm

Power Supply

3.3V 4A (100 ~ 240VAC, 50~60 Hz)

Ordering information

MODEL	DESCRIPTION
JSH1600R	16-Port Fast Ethernet Switch