

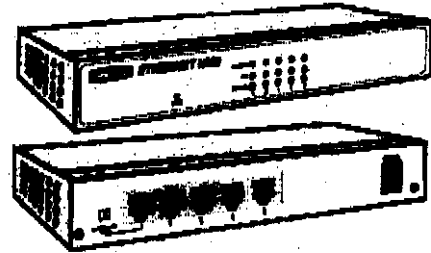
EXHIBIT C

User Manual

5-Port Unmanaged Switching Hub Revision: 1999, AUG 02

Product Information Sheet

The Fast Ethernet switching hub provides a cost-effective, high-bandwidth solution for delivering wire-speed to five 10/100 Mbps Ethernet ports. All of 10/100 Mbps ports support auto-negotiation and auto-selection for 10 or 100Mbps, allowing the easy integration of 10BASE-T, 100BASE-TX Ethernet workgroups into one network.



Every-one port is capable of full duplex operation which can increase the network bandwidth up to 1.0Gbps in total. The built-in automatic address learning functionality makes the network more safe and flexible. In addition, the store-and-forward switching operation makes the data connection error-free.

Features

- Compliant with 10BASE-T, 100BASE-TX specifications of IEEE 802.3 standard.
- Equipped with five (5) 10/100 Mbps RJ-45 ports.
- Built-in 1K MAC address self-learning mechanism.
- Built-in 1 Mbytes memory buffers.
- Backpressure flow control implemented for half-duplex operation.
- Palm size chassis design.
- Error free packet-forwarding is supported by store-and-forward switching operation.
- All ports support full-duplex/half-duplex switching capability.
- Equipped with MDI-X/MDI switch to swap the first RJ-45 port pin assignments for uplinking.

Revision: 1999, AUG 02

Specifications

Model Name
WS-SH05

Connectors

10/100BASE-TX RJ-45 *5



Mechanical

Unit Dimensions: 160mm x 100mm x 25mm

Unit Weight: TBD

Power Consumption
TBD

Emission Compliance

FCC Part 15 Class B

CISPR 22 Class B

EN55022 Class B



Operating Environment

Temperature: 0 ~ 50 °C

Humidity: 10% ~ 90% (non-condensing)

Immunity Compliance

IEC 801-2 (Electronic Discharge)

IEC 801-3 (Radiated Immunity)

IEC 801-4 (Electrical Fast Transient/Burst)

Storage Environment

Temperature: -20 ~ 80 °C

Humidity: 10% ~ 90% (non-condensing)

Power Supply

External

1.5A @ 12 VAC

LED Indicators

PWR (Green)

LINK /ACT (Green)

100 (Green)

FDX/COL (Yellow)

Green LED will light when the hub is receiving power.

Green LED will light when a good link is established.

Green LED will blink when packet transmitted or received.

Green LED will light when a good 100Mbps connection is established.

Yellow LED will light when a valid full-duplex operation is established.

Yellow LED will blink when a collision is detected at half-duplex operation.

