



ADDTRON TECHNOLOGY CO., LTD.

"Reliable Solutions to Complex Networks"

AES-800TX

10/100Mbps Auto-detecting Switching Hub



ADDTRON's AES-800TX ExpSwitch Hub is an Ethernet/Fast Ethernet switching hub. We apply the store-and-forwarding approach to filter long packets and runts for replacing the cut-through approach. By this technology, the AES-800TX can permit packet's forwarding and filtering at full wire speed of 148,800 packets/sec on each port with low time-latency. Beyond the above powerful function, AES-800TX also provides 10/100mbps auto-negotiation function. Besides, the robust design it can raise the aggregate bandwidth up to 800mbps.

ADDTRON's AES-800TX 10/100mbps switching hub is equipped with 8 RJ-45 Ethernet/Fast Ethernet auto detecting ports on the front panel. It fully complies with the IEEE 802.3 and IEEE 802.3u standards. With one crossover push button supported, so that the AES-800TX can connect to the desktop/workgroup hub by using the straight-through cable. Only the 8th port supports this kind of usage, as for the other ports, a crossover cable should be used to connect with other hubs.

By using the store-and-forwarding approach, there must be some latency issue. Addtron offers the lowest delay (last bit to first bit) less than 18us for short packets and for long packets can be less than 30us. One of kind capabilities can eliminate the bottleneck in the network and increase the performance on your network..

With a 13-inch portable design, the switching hub AES-800TX can be easily settled on a desk or mounted on a rack in a wiring closet. AES-600TX even has unmatched flexibility ensuring operation with any small or large LAN network. It can automatically

protect against faults and failure situations to promise network reliability and data integrity.

For today's LAN network application, ADDTRON's AES-800TX switching hub is the most superior solution for you to choose.

KEY FEATURES:

- Complies with IEEE 802.3 Ethernet and IEEE 802.3u Fast Ethernet standard
- 8 - 10/100mbps auto-negotiation RJ-45 ports
- 1 crossover push button which is supported for the 8th port
- "Store and forward" switching architecture with low latency timing
- Supports half/full duplex transmission operations
- Total of 8K different MAC addresses supported
- Less than 18us for short packets delay and less than 30us for long packets delay
- Internal power provided
- Filtering and forwarding rate of 148,800 packets per second for each port
- Auto-range power supply can adjust automatically to the voltage range of the AC power afforded to the hub
- 1-year Warranty

Specifications of the AES-800TX Switching Hub

Standard Compliance	IEEE 802.3, IEEE 802.3u
Chips	Galileo's GT-48002
Dip Switches	1~8 port Full/Half Duplex Dip Switches
Network Media	UTP category 5 cable
Maximum Segment Lengths	100-meter max. UTP cable length hub to station 100-meter max. UTP cable length hub to hub connection
Connector	8 RJ-45 10/100 Mbps auto-detecting ports
LED Indicators	
System	Power LED
Each port	Link, Activity, Collision, 10/100Mbps, Full/Half duplex LEDs
Physical Dimensions	330mm x 220mm 43.2mm (LxWxH)
Environment	
Temperature	Operating: 0C to 50C Storage: -20C to 70C
Humidity	Operating: 10% to 90%RH Storage: 5% to 90%RH
Input Power Requirements	
Voltage	100VAC to 240VAC automatically adjustment
Frequency	60HZ to 50Hz
Registrations	FCC Part 15 Class A, CE
Warranty	One Year - Limited

