

8/16 Port ^{10/100Mbps} Dual-Speed Hub



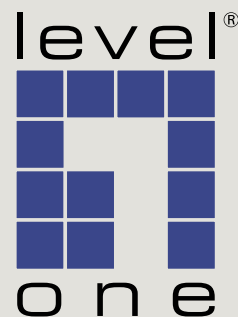
Key Features

- Built-in auto-partitioning instantly isolates network failures
- Automatic partition and reconnection
- Two repeater segments, one 10Mbps, one 100Mbps
- Jabber lockup protection
- Plug and Play default configuration
- Automatic polarity detection and inversion
- MDI/MDIX switch on port 5
- Front panel diagnostic LED display

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FHU-0806TXDS
FHU-1606TXDS
8/16 Port 10/100Mbps
Dual-Speed Hub

Let the
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8/16 Port 10/100Mbps Dual-Speed Hub



The LevelOne FHU-0806/1606TXDS 8/16 Port 10/100Mbps Dual-Speed Hub is the latest innovation with interface flexibility and high-speed connectivity. As the increasing demand of 100Mbps Ethernet, a dual-speed hub can support the gradual migration from 10Mbps to 100Mbps in a single hub. Both legacy 10Mbps Ethernet adapter cards and 100Mbps Fast Ethernet adapter cards attach to the same hub unit or different hub units within a stack, and then full connectivity among 10M and 100M nodes can be achieved.

The FHU-0806/1606TXDS is designed as two repeaters (the 10Mbps segment and the 100Mbps segment) with a 2 port switch connected in between. Each port on the hub auto-senses the speed of the Ethernet adapter card attached to it and channels the data to the appropriate bus (i.e. 10 or 100Mbps segment) in the hub. Traffic can be forwarded from any port to any port, no matter the port speed is 100Mbps or 10Mbps.

The learning function in the internal switch stores the address and corresponding segment number of each incoming packet in a routing table. This information is subsequently used to filter packets whose destination address is on the same segment as the source address. This confines network traffic to its respective domain, reducing the overall load on the network. In the forwarding phase, the switch scans the destination address from the packet header, search the routing table provided for the incoming segment and forwards the packet only if required, often before full received.

The FHU-0806/1606TXDS provides full industry-standard 10Mbps Ethernet and 100Mbps Fast Ethernet connectivity to end stations servers and other compatible devices. Without a substantial up-front investment, it provides an incremental growth path that allows users to add more hubs.

Product Specifications

Standards Conformance	<ul style="list-style-type: none"> IEEE802.3u 100Base-TX, Class II Repeater IEEE802.3 10Base-T
Network Interface	<ul style="list-style-type: none"> STP RJ45 port for 10/100Mbps auto-sensing
Supported Cable	<ul style="list-style-type: none"> 10M : category 3,4,5 twisted-pair cable 100M: category 5 twisted-pair cable
Access Method	<ul style="list-style-type: none"> CSMA/CD, 10Mbps & 100Mbps
Dimensions	<ul style="list-style-type: none"> 272 x 166 x 43mm (W x L x H)
Weight	<ul style="list-style-type: none"> FHU-0806TXDS: 1.45 kg FHU-1606TXDS: 1.475 kg
Input Power	<ul style="list-style-type: none"> 100-240 volts, 50/60 Hz
Operating Temperature	<ul style="list-style-type: none"> 0°C-50°C
Operating Humidity	<ul style="list-style-type: none"> IEC 721-2-1, 5% to 95% (Non-condensing)
Status LEDs	<ul style="list-style-type: none"> Power, Collision, Utilization, Activity, Partition/Link,
Certification	<ul style="list-style-type: none"> CE, FCC Class A, VCCI Class A, CISPR 22 Class A, EN55022 Class A

Ordering Information

FHU-0806TXDS	<ul style="list-style-type: none"> 8 Port 10/100Mbps Dual-Speed Hub
FHU-1606TXDS	<ul style="list-style-type: none"> 16 Port 10/100Mbps Dual-Speed Hub