

TDA-SW-16

16-port PhoneLAN Switch

Description

The device is a powerful and innovative Normal/ Long-distance home networking switch, with 16 ports 1Mbps PhoneLAN switching ports and two 10/100Mbps Fast Ethernet switching ports. It is ideal to deliver a dedicated 1Mbps connection for each attached home network or a single hotel room at distance up to 300m (TDA-SW-16/16M) or up to 1200m (TDA-SW-16L/16ML).

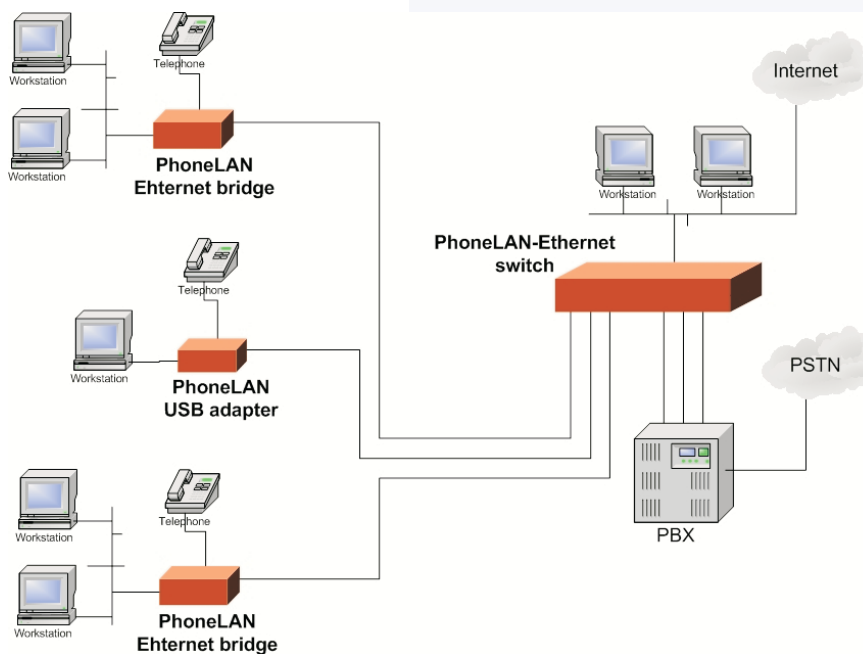
The 1Mbps PhoneLAN is a new technology that provides the network connections through the most widespread telephone wires with no impact on current voice communication. Therefore, users do not need to setup the new network cables and share the network resources. PhoneLAN technology becomes more and more important especially the multi-PC home environment is booming. With rich management features, the TDA-SW-16M/16ML could be easily managed by any SNMP manager and web



browser. This is very useful for system administrator to remote control and monitor each connected room or house whenever there is any malfunction happen. The user-friendly graphical interface makes the management as straightforward as possible.

Store-and-forward switching mode promises the low latency plus eliminates all the network errors, including runt and CRC error packets. The switching hub is plug-n-play and also fully compliant with all kinds of network protocols. Moreover, the rich diagnostic LEDs on the front-panel provides the operating status of individual port and whole system.

Application



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16-port PhoneLAN Switch

Features

- ✓ 2 10/100BASE-TX Fast Ethernet port
- ✓ Support 16 independent Home networking ports
- ✓ Wire speed layer 2 switching
- ✓ 4M bits packet switching
- ✓ 2M bits control data, including the Switching address and VLAN table
- ✓ Prevents packet loss with back pressure and 802.3x flow control
- ✓ Store-and-forward forwarding scheme
- ✓ Error packet filtering
- ✓ Support 12K MAC entries
- ✓ Internal switching power supply (90-264Vac/47-440Hz)
- ✓ Operating temp. 0C ~ 50C (320 ~ 1220F)
- ✓ Humidity: 10 ~ 90 %

Managed switch (TDA-SW-16M/16ML) features

- ✓ Support up to 255 VLAN table entries
- ✓ Support remote upgrade function
- ✓ Support 2MByte Flash EPROM for code upgrade
- ✓ Support 8M bytes SDRAM for run time data storage
- ✓ Provides wide range of management tools – Web, SNMP, Console and Telnet.
- ✓ System temperature sensor
- ✓ Over-heat warning

Product Specifications

| | |
|------------------------------|--|
| Standard | IEEE802.3 10BASE-T IEEE802.3u 100BASE-TX IEEE802.3x full-duplex operation and flow control IEEE 802.1 Q VLAN |
| Interface | 16 * HPNA RJ-11 ports 2 * 10/100Mbps Fast Ethernet Ports 1 * RS-232 console port 1 * post/factory reset button |
| Cable Connections | RJ-45 (10BASE-T): Category 3,4,5 UTP/STP RJ-45 (100BASE-TX): Category 5 UTP/STP 1Mbps Home Net: Twisted-pair telephone wires |
| LED indications | System Power; Status 1; Status 2; Management Port (1Mbps Home networking port) Link /Activity x1 Port (10/100Mbps Fast Ethernet port) Speed x1 Link/Activity x1 FDX/COL x1 |
| Memory | 12K MAC entries; 4M bit packet switching 2M bit control data |
| Emission | FCC Class A, CE |
| Operating Temperature | 00 ~ 500C (320 ~ 1220F) |
| Operating Humidity | 10% - 90% |
| Power Supply | 90~264 VAC, 47~440 Hz |

