

TDA-SW-14

14-port 10 Mbps PhoneLAN Switch

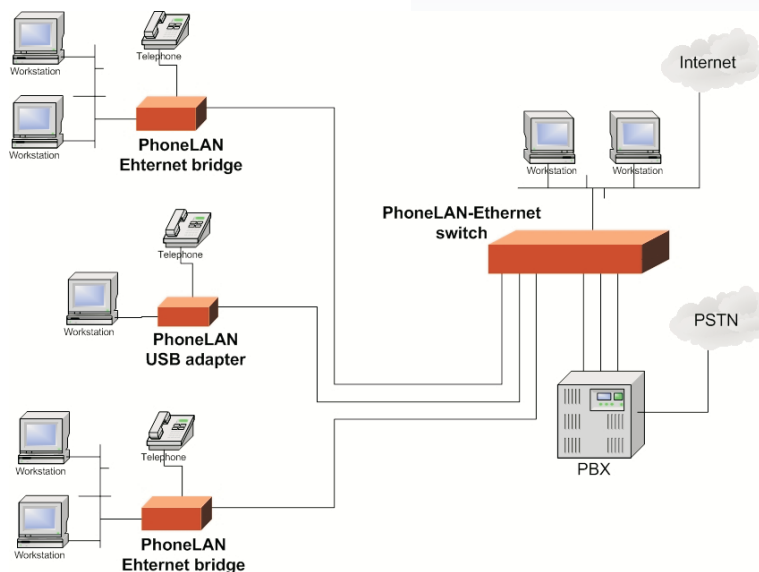
Description

HPNA 2.0 Switch TDA-SW-14/TDA-SW-14M is dedicated for service providers that would like to provide cost-effective broadband multimedia services.

Robustness is the aim for the design due to the nature of HomePNA technology in the noisy environment of application. Even in the environment with cross-talk noise, robust design will enable the switch to survive with acceptable throughput. The switch is also a manageable, scalable and upgradeable solution that helps service providers to provide broadband multimedia services to the public at relatively low investment.

Both TDA-SW-14M and TDA-SW-14 have 14 10Mbps HPNA ports, 2 Fast Ethernet ports, and 2 console ports. TDA-SW-14M provides the capability of remote network management.

Application



Features

- ✓ Robust to Noisy Environment
- ✓ 14-Port 10Mbps Connection Comply with HomePNA 2.0 Standard
- ✓ Two 10/100M Fast Ethernet Ports for Expansion or Link to Switch/Hub/Router or Modems
- ✓ Selectable Data Rate for Different Service Classes
- ✓ Windows-Based Network Management Support for Large Scale Network
- ✓ Port Based VLAN Security Support
- ✓ IEEE 802.1q Tag VLAN and IEEE802.1p Priority Support
- ✓ Remote (or Local) Network Management and Firmware Upgrade
- ✓ 19" Rack-Mount Design

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Product Specifications

Network Interface

- HomePNA 2.0 10Mbps Standard Compliant
- IEEE 802.3 10M Ethernet
- 10/100Mbps Auto-Negotiation Support
- Support Port-based VLAN and IEEE 802.1q Tag VLAN
- Support IEEE 802.1p Priority

Network Management

- Console Port : Mini-DIN (Locally)
- Windows Based Network Management Utility
- Optional Remote Network Management (Via Internet or Ethernet Port, by Telnet Protocol)
- Password for Access Protection
- Data Rate Control of PNA Port
- Port Enable/Disable
- Terminal ID Filtering
- F/W Upgradeable
- SNMP Support
- For Scale Network Architecture

Connectors

- Ethernet : 2, RJ45 Jack
- HomePNA Port : 14 Ports, Two RJ45 per Port, One for HPNA, Another for Phone-line Bypass
- Console Port : 8-Pin Mini-DIN Jack

Indicators

- Power
- HomePNA Link/Activity
- Ethernet Link/Activity
- Switch ID Display (7-segment LED, to identify a switch by numbering in a cascade system)

Terminal Devices

- USB Adapter
- Ethernet/PNA Bridge

Power Requirement

- Internal Switching Power Supply
- Full Range 100-240VAC, 50/60Hz
- Power Consumption < 40 Watts

EMI/EMC

- Comply with FCC Part 15 Class B
- Comply with CE CISPR 22
- Comply VCCI Class I

Safety and Protection

- Comply with IEC-950
- Lighting Protection Comply with K.21

Environmental Conditions

- Operating Temperature : 0°C~ 40°C(32°F ~ 102°F)
- Storage Temperature :-10°C~ 65°C(14°F ~149°F)
- Operating Humidity : 10% ~ 95%, Non-condensing

