

# 128Mbps HPNA3.0 Switch

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## 128Mbps MTU/MDU Broadband Multimedia Solution

Robust, Scalable, and  
Network Manageable

*Quick installation, Easy set-up, and  
Fast service start-up for subscribers ...*

*Simply using the phone-line ...*

*The Most Adaptive and Cost-Effective  
MTU/MDU Solution.*

### INTRODUCTION

**H**OME PNA SWITCH PLS-8880 IS DEDICATED FOR SERVICE PROVIDERS THAT WOULD LIKE TO PROVIDE COST-EFFECTIVE BROADBAND MULTIMEDIA SERVICES.

**R**OBUSTNESS IS THE AIM FOR THE DESIGN DUE TO THE NATURE OF HOME PNA 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, SCALEABLE AND UPGRADEABLE SOLUTION THAT HELPS SERVICE PROVIDERS TO PROVIDE BROADBAND MULTIMEDIA SERVICES TO THE PUBLIC AT RELATIVELY LOW INVESTMENT.

**P**LS-8880 HAS 14 128MBPS HPNA PORTS, 2 GIGABIT ETHERNET PORTS, AND CONSOLE PORT. PLS-8880 PROVIDES THE CAPABILITY OF NETWORK MANAGEMENT VIA CONSOLE AND ETHERNET.



Model : PLS-8880

### FEATURES

- 14-Port 128Mbps Connection Comply with HomePNA 3.0 Standard
- Two 10/100/1000Mbps Gigabit Ethernet Ports for Expansion or Link to WAN
- Sync Mode Operation To Eliminate Near-End Crosstalk
- Selectable Data Rate for HomePNA Ports
- Web-Based Network Management Support
- Port Based VLAN Security Support
- IEEE 802.1Q Tag VLAN and IEEE 802.1p Priority Support or Pass Through
- QoS Priority Mapping Support
- IGMP Snooping Support for Multicast Application
- Network Management and Firmware Upgrade via Ethernet or Internet.
- 19" Rack-Mount Design

## SPECIFICATIONS

### ➤ Network Interface

- 128Mbps HomePNA 3.0 Standard Compliant
- ITU-T G.9954 Standard Compliant
- IEEE 802.3 10M Ethernet
- IEEE 802.3u 100M Fast Ethernet
- IEEE 802.3ab Gigabit Ethernet
- IEEE 802.3x Flow Control
- 10/100/1000Mbps Auto-Negotiation Support
- Auto Crossover for MDI/MDIX
- Support Port-based VLAN and IEEE 802.1Q Tag VLAN
- Support IEEE 802.1p QoS Priority Mapping
- IGMP Snooping Support for Multicast Application

### ➤ Network Management

- Management Locally and Remotely
- Web Based Network Management
- Password for Access Protection
- Data Rate Control of PNA Port
- Port Enable/Disable
- F/W Upgradeable
- SNMP Support

### ➤ Connectors

- Ethernet : 2, RJ45, 10/100/1000Mbps Ethernet
- 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

### ➤ Terminal Devices

- Ethernet/PNA Bridge
- USB Adapter

### ➤ Power Requirement

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

### ➤ EMI/EMC

- Comply with FCC
- Comply with CE

### ➤ Safety and Protection

- Comply with UL/cUL and EN-60950
- Lighting Protection Comply with K.21

### ➤ Environmental Conditions

- Operating Temperature : -5°C ~ 45°C (24°F ~ 114°F)
- Storage Temperature : -10°C ~ 65°C (14°F ~ 149°F)
- Operating Humidity : 10% ~ 95%, Non-Condensing

## RELATED HomePNA3.0 PRODUCTS

### ➤ Suggested Products for Total HPNA3.0 Solution

- PET-320, HomePNA3.0 Ethernet Bridge
- PUA-310, HomePNA3.0 USB Adapter
- PHB-218, HomePNA3.0 Switch Hub