POWERLINE ADAPTER PA240

Telsey's Ethernet Powerline Adapter PA240 utilizes the existing electrical network to provide a cost effective solution to distribute IP services, such as Digital TV and broadband internet access, inside homes and offices. PA240 leading feature is the effective, simultaneous distribution of MPEG-2 streams throughout the home.

PA240 expands the Home LAN network to anywhere in the home where there is a power socket. PA240 converts any power socket into an Ethernet RJ45 connector to which equipment such as modems, routers, IP STB can be connected to and thus access Internet and other broadband services. All computers can communicate with each other, share files, share printers and access the Internet without any additional, intrusive cables while benefiting from a high security level granted by PA240's data encryption feature.

KEY FEATURES

>> One Ethernet 10/100 BaseT for LAN interfacing

>> OFDM modulation inside the electrical network

>> 802.1Q VLAN, Optimized VLAN and flexible MAC

>> Mixed DES/3DES encryption

>> QoS through 802.1p

>> Programmable spectrum management via transmission power mask

BENEFITS

>> Easily connects end user's devices to the LAN through the electrical network. Additional Ethernet cabling inside the house is not needed.
>> Provides robust performance even if the electrical network experiences harsh conditions.
>> Permits the establishment of different LANs inside the home or the office.
>> Guarantees maximum level of security against interception.
>> Enables the simultaneous distribution of different services inside the home or the office.
>> Avoids overlapping with radio and military frequencies

TECHNICAL HIGHLIGHTS

LAN INTERFACE

> 1 Ethernet port 10/100 BaseT; RJ45 connector

POWER TRANSMISSION

> Data Rate: 200Mbps	10MHz, 20MHz and 30MHz transmission modes
> OFDM Modulation, 1280 Carriers	Programmable spectrum management
> Flexible frequency configuration (2 to 34MHz)	via transmission power mask

NETWORKING FEATURES

Layer 2 Bridge	> 802.1Q VLAN
	> Optimized VLAN (OVLAN)
	> Flexible MAC for in-home networks
Security	> Mixed DES/3DES encryption
QoS	> 802.1p

MANAGEMENT

> SNMP	> Web Interface
> Telnet	> Preconfigured to be installed by end users

POWER SUPPLY

> 110-240 VAC

PHYSICAL DIMENSIONS

> Width 673 mm; Depth 970 mm; Height 353 mm

ENVIRONMENTAL CONDITIONS

> Operation temperature: 0-40 °C
> Humidity: 10-90% (non condensing)