

PA240F

Telsey's Ethernet Powerline Adapter PA240F leverages on 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.

PA240F leading feature is the effective, simultaneous distribution of High Definitions IP streams throughout the home.

PA240F expands the Home LAN network to anywhere in the home where there is a power socket. PA240F converts any European or U power socket into an Ethernet RJ 45 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 PA240F's data encryption feature.

Providing one male and one female connectors, end users can re-use the power plug where the device is inserted.

PA240F is conforming to Universal Powerline Association (UPA).

KEY FEATURES

- >> 1 Ethernet 10/100T LAN interface
- >> 1 male and 1 female power connector
- >> OFDM modulation inside the electrical network
- >> 802.1Q VLAN, Optimized VLAN and flexible MAC
- >> Mixed DES/3DES and AES encryption
- >> Programmable spectrum management via transmission power mask
- >> QoS through 802.1p
- >> Management through Web interface, Telnet, tftp
- >> Performance LED indicator
- >> Stand by button
- >> Plug Play button

BENEFITS

- >> Easy connection to Integrated Access Devices, modems, IP Set Top Boxes and media converters
- >> End users can re-use the power plug where the device is inserted.
- >> 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
- >> Avoids overlapping with radio and military frequencies
- >> Enables the simultaneous distribution of different services inside the home or the office.
- >> Easy and quick upgrade of the devices
- >> Enables an easy diagnostic
- >> Allow power saving when the device is not into operation
- >> Enables a quick synchronization of the security parameters between different devices



PA240F

TECHNICAL HIGHLIGHTS

LAN INTERFACE

1 Ethernet 10/100 BaseT half/full duplex autonegotiating/autocrossing RJ-45 connector

POWERLINE TRANSMISSION

Chipsets: DS2 (DSS9101 + DSS7800)
 >> OFDM
 >> 2MHz - 32MHz
 >> 1536 sub-carriers
 >> 10 bits maximum per sub-carrier
 >> Programmable spectrum management via transmission power mask

NETWORKING FEATURES

Layer2 bridging >> IEEE 802.1d, 802.1p, 802.1q,
 >> 802.3, 802.3u

Security >> DES/3DES and AES encryption

Video >> Optimized support Multicast and broadcast traffic
 >> IGMP packet detection
 >> IGMP Aware Multicast Syndication

MANAGEMENT

>> Integrated Web Server
 >> Telnet and TFTP
 >> Plug&Play Button

LED INDICATORS

>> PLC Status (multi-color)
 >> Ethernet (Green)
 >> AP or EP (Yellow)

BUTTONS

>> ON/SBY (Standby)
 >> Config / F.Reset (Factory Reset), Network ID and Encryption key

POWER SUPPLY

>> 12 VDC, with external power adapter 230Vac, 50 Hz
 >> Stand by button

PHYSICAL DIMENSIONS

Width 141mm ; Depth 74mm ; Height 38mm

PHYSICAL DIMENSIONS

Operation temperature : 0 - 40° C Humidity : 10-90% (non condensing)
 Storage temperature : 0 - 70° C

DISCLAIMER:

All statements, technical information and recommendations contained in this documentation have been carefully checked for reliability; however no responsibility is assumed for inaccuracies. The information contained in this documentation is subject to change without notice.