



Homeplug Turbo Ethernet Adapter

The NetPlug85+[®] is a HomePlug Turbo compliant Ethernet adaptor which provides communication over any electrical wiring at the speed of up to 85 Mbps (raw bit rate)

NetPlug85+[®] uses the electrical wiring already installed in homes as a path to transmit digital data, voice and audio & video between devices

Plug and Play feature ensures that the NetPlug85+[®] acts just like a physical network cable between domestic power sockets without any configuration

NetPlug85+[®] is designed to support multimedia home networking, IPTV and triple-play applications

NetPlug85+[®] >>>> 85 Mbps PLC Adapter

Applications

The NetPlug85+[®] is ready for multimedia home networking and TV over IP applications:

- Simultaneous distribution of multiple Standard Definition (SD) video programs
- High Speed Internet access sharing
- PC files and applications sharing
- Network connection of online games machines
- Printers, NAS and peripherals sharing
- Audio & Video transmission across the home
- Voice over IP calls
- Extending wireless LAN coverage
- Network camera connectivity for rooms or remote home survey

Features

- 85 Mbps data transmission rate over existing powerline cables (raw bit rate)
- Plug 'n' Play: no new wires, no installation no software configuration required
- Instant indication of PLC network activity through LED
- Advanced encryption mechanisms to ensure data security on your PLC network
- Interoperable with HomePlug 1.0 standard 14 Mbps powerline technology
- Coexistence with HomePlug 1.1 standard 200 Mbps powerline technology
- Elegant and stylish, contemporary design with high quality look and feel

>>>> NetPlug85+[®]**Protocol/Standards**

- HomePlug 1.0 Turbo standard compliant
- IEEE 802.3 10/100 Ethernet (100Mbps) and IEEE 802.3u Fast Ethernet Compliant
- 10/100 Mbps Auto MDI/MDIX Support with auto negotiation
- Co-exists with HomePlug 1.1 AV standard

Hardware & Software

- Intellon INT5500 Integrated Single-chip Powerline Network Transceiver
- Intellon INT1200 Analog Front End IC
- Intellon Firmware: release 1.8
- SoftPlug application: version 3.0 (optional)

Throughput

- UDP stream: 25 Mbps
- TCP stream: 20 Mbps

Security

- 56-bit DES Encryption with key management for secure powerline communications

Quality of Service

- Forward Error Correction (FEC) support
- Channel Adaptation ensures that signal integrity is maintained even under harsh noise environment
- CSMA/CA with prioritization and ARQ
- Four Level prioritized random access method & Supports IGMP managed multicast
- Segment bursting and contention-free access

Modulation & Frequency

- OFDM 256/64/16, DQPSK, DBPSK and ROBO Modulation Scheme
- Frequency band : 4,3Mhz to 20,9Mhz band

Physical Interface

- LED Indicators
 - 1x Powerline On/Off LED status
 - 1x PLC link and activity status LED
 - 1x Ethernet link and activity LED status
- External Connectors/Cables
 - 1x Electrical power plug/Europe type CEE 7/16
 - 1x RJ45 for 10/100 Ethernet (Auto MDI/MDI-X)
 - 1x Ethernet cable : 1.5 meters with RJ45 male connectors - Grey colour

General Specification**Standards & Regulations**

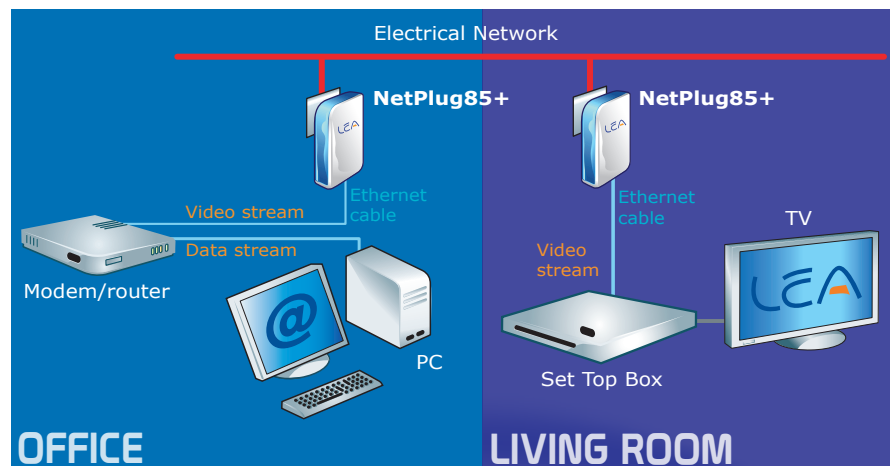
- Low Voltage Directive 2006/95/EEC
- EMC Directive 2004/108/EEC
- Approvals: CE-marking / RoHS

Environmental

- Operating & Storage humidity 10%~90% non-condensing
- Temperature
 - Operating: from 0°C to 40°C
 - Storage: from -20°C to 75°C

Casing

- Color - White and blue
- Dimensions - L: 30 x W: 72 x H: 106 mm
- Unit weight - 140 grams

Connectivity

OFFICE

LIVING ROOM

**Contact****Headquarters**

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