

DATA SHEET

PLC 200 POWER SOCKET

Applications

- High Definition (HD) and Standard Definition (SD) video distribution
- Internet Protocol Television (IPTV) Distribution
- Shared broadband internet access
- Voice over Internet Protocol (VoIP)
- Network and online gaming
- Security cameras
- Simple Push Button Pairing allows two or more units to form a dedicated communications path between devices.

What is PLC Technology

PLC technology is a new range of networking devices which allow you to create a high performance full featured network over your home or office building mains wiring system. Each power outlet has the potential to become a Network access point providing total flexibility of equipment location or re-location as you choose.



No need for costly structured cabling systems, just plug into the mains and connect your computers, modem, gaming system and Audio/Video entertainment systems and your operational. When using a wireless router 'black spots' can be eliminated and the range can be increased using the Wireless Extender unit. With an operating range of up to 200 metres no configuration required and true "Plug and Play" installation, PLC is the ideal networking solution for home or office.

Features

- Co-existence with HomePlug 1.0 Nodes
- HomePlug AV PHY: 200Mbps
- Security via 128-bit AES Encryption
- Dynamic Channel adaptation for maximum throughput efficiency
- Integrated Quality Of Service (QoS)
- Four level priority contention based
- Supports IGMP managed multicast sessions
- Integral power filter with 49dB attenuation above 120Khz

Protocols/Standards

- HomePlug AV
- Ethernet IEEE 802.3 10 BaseT, 100BaseTx, 100BaseFx
- CSMA/CA MAC control
- OFDM 1155 carriers, 1024/256/64/16/8-QAM, BPSK, QPSK, ROBO modulation schemes

- Frequency Band 2Mhz – 28Mhz band definable
- ToS and CoS packet classifier
- CSMA/CA transmission and SACK/ARQ to maximise reliable packet delivery

External Connectors

- 1 x RJ45 MDIX 10/100 auto sensing
- 1 x Electrical power plug
- Push Button switch for pairing function
- Filtered mains socket

Power Range

- 85-265V AC 48 - 64 Hz

Indicators

- Power, PL-Line/activity, Ethernet Lineactivity