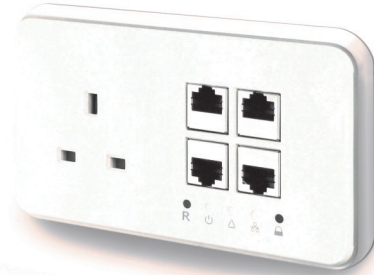


The all-in-one Ethernet Power Socket

Hotels and Hostel Accommodation



BENEFITS

- High-value, low-cost means of providing the Internet in every room without disruption
- Provides a unified network for Internet, Video on Demand and VoIP ("Triple Play")
- New revenue streams by providing Internet access in each room
- No rewiring needed as the existing mains wiring is used
- No costly structural alterations
- Saves the cost and the disruption of installing CAT5 cables and the equipment to support them
- The hotel normal business operation does not need to be interrupted
- Eliminate coverage black spots

KEY FEATURES

- Ethernet at up to 200Mbps across a meshed network
- Connect to a broadband router to share Internet access
- High speed managed switch for business class networking
- Fast enough to stream High Definition (HD) video
- Supports Quality of Service (QoS) and tagged VLANs
- Supports Windows, Mac, Linux and all operating systems with TCP/IP support
- Encrypted with 128bit AES security
- Compatible with the HomePlug AV standard
- Fits a UK standard two-gang 35 mm deep metal back box
- And of course power

Provide Internet access throughout the building

Having the capability to provide Internet access in each room is crucial for hotels to offer greater hospitality and to increase competitiveness whilst creating new sources of revenue and ensuring a reliable, fast solution for all your guests.

The challenge

How to find a high speed networking solution capable of delivering any kind of multimedia services in every room, easy to install, cost effective and with the minimal of disruption.

Structured CAT5 cables is expensive and its installation is to disruptive.

WiFi is unsuitable to transmit multimedia services and other demanding applications as the total wireless bandwidth is shared by all users.

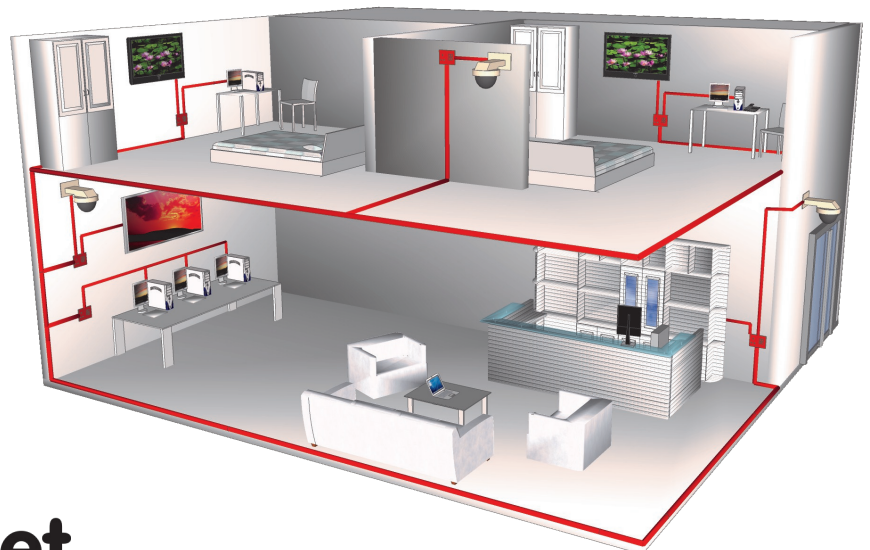
Installing plug-in adaptors can be unreliable as they may be accidentally unplugged, easily stolen and they are large and unwieldy and normally take up an existing power outlet.

The solution

Power Ethernet provides a seamless and non disruptive solution for hotels that want to benefit from Internet access in each room.

The PE Socket's unique design incorporate four switched Ethernet ports inside the wall socket which unlike the adaptors, cannot be easily unplugged, knocked out or stolen.

The PE Sockets are UK Standard in size and simple to install by any electrician with all the advantages of reliability, compliance with Health & Safety regulations and aesthetic appeal.



How do the Power Ethernet Sockets work?

The PE Sockets incorporate the Atheros INT6400 PowerLine chipset (which is compatible with HomePlug Alliance AV standard) along with other complementary technologies to create a high speed secure network by utilising the existing mains cables available throughout any building.

The PE Socket's unique design incorporates all of the electronics inside the wall socket. Replacing two or more traditional UK double-gang wall power sockets with PE Sockets instantly creates a high-speed, secure Ethernet network without the cost and disruption of installing additional cabling.

The PE Sockets have an integrated mains filter which improves the data transmission speeds and the units automatically go into power save mode for reduced power consumption when the network ports are not being used.

The network backbone is robust and encrypted with 128bit AES security and as the PE Sockets are simple to install by any electrician, it benefits from a tamper and theft proof installation.

The PE Socket incorporates a high speed managed switch with 4 Ethernet ports which eliminates the need for adding additional network switches. This removes the clutter and hassle of additional cables under desks or behind televisions and provides a solution with all the advantages of reliability, Health & Safety compliance and aesthetic appeal.

Multiple applications can be run across the Power Ethernet network throughout the building including:



High speed Ethernet networking



Connect to the Internet everywhere in the building



Smart Metering and Smart Home applications



Network backbone for Home Automation



Triple Play services



Voice over IP telephony



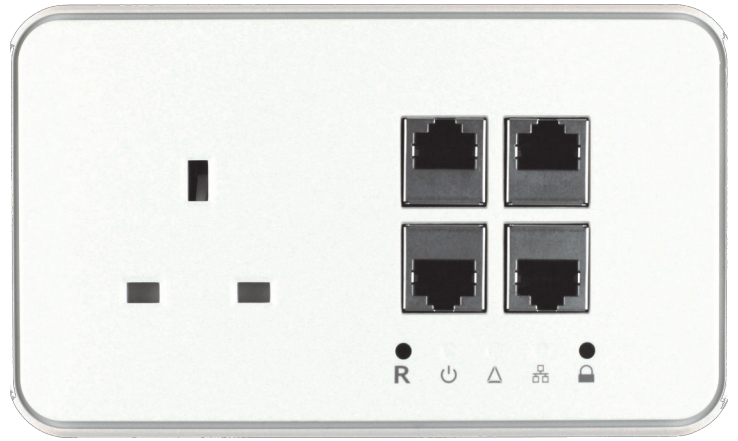
IPTV and Video on Demand



CCTV Surveillance



Digital Signage



Supported Standards

- Ethernet at up to 200Mbps across a meshed network with shared Internet access
- Connect to a broadband router to share Internet access
- High speed managed switch for business class networking
- Fast enough to stream High Definition (HD) video
- Supports Quality of Service (QoS) and tagged VLANs
- Supports Windows, Mac, Linux and all operating systems with TCP/IP support
- Encrypted with 128bit AES security
- Utilises the Atheros INT6400 chipset which is compatible with HomePlug Alliance AV standard
- Fits a UK standard two-gang 35 mm deep metal back box
- Supports TV over IP (IPTV), Voice Over IP (VoIP), Digital Signage and Security CCTV cameras
- And of course power

Two or more HomePlug AV compatible devices are required. The power outlets must be electrically connected sharing the same power rail in order for Powerline devices to provide a network connection between them.

