

Discus™ DEX P200H PLC Video Extenders



The DEX P series is a family of PLC Extenders designed to distribute High Definition Video Streaming throughout the Home Network

As a supplier of Home Gateways, Set Top Boxes and Remote Management Systems, Pirelli has a full understanding of the service integration challenges related to IPTV services and has developed a portfolio of solutions for the IPTV service automation, allowing zero-touch configuration, no new wires set up, remote manageability and self-care.

As part of this solution portfolio, Pirelli's DEX W and DEX P Extenders allow to distribute High Definition Video Streaming throughout the Home Network, based on the Wireless and the PLC technologies respectively.

Pirelli's DEX Extenders work as high performance, cost-effective external dongles, able to link the Home Gateway to the Set Top Boxes placed in the desired positions in the house, avoiding un-esthetical new cabling, wiring works, and technical on-site support.

PLC (Power Line Communications) off-the-shelf technologies have long been considered an appealing option, but their standard implementations do not manage the issues related to external interferences and bandwidth contention in multi-dwelling environments, well enough to achieve repeatable and reliable Quality of Service.

- **Video Streaming**
- **HomePlug AV**
- **Multicast and Unicast HDTV IPTV**
- **Link performance monitoring**
- **Easy network configuration mechanism**

The Pirelli DEX P200H extenders successfully address these issues thanks to specific performance enhancements introduced on top of the standards-based HomePlug AV protocol.

Pirelli DEX P200H provides a very easy and secure way to configure home network with a simply button pressure which allows seamless connection.

The DEX Extender families can seamlessly integrate within Pirelli's technology bundle for quadruple play services, which comprises:

- Pirelli's Multiplay Access Gateways, serving as multi-service routers with advanced MIMO WLAN capabilities specifically enhanced for VoIP and video-streaming applications over WiFi.

- Pirelli's H.264 HDTV Set Top Boxes

- Pirelli's Remote Management Platform (PMP), which includes ACS capabilities for TR-069 compliant IPTV Set Top Boxes and Home Gateways.

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TECHNICAL SPECIFICATIONS

Performance	Full Rate Transmission up to 200 Mbps on the power line
LAN Interfaces	N° 1 10/100Base-T Ethernet ports (RJ-45 plug), compliant IEEE 802.3, IEEE 802.3u, with auto MDIX
PLC Interface	HomePlug AV Specification compliant
QoS	CSMA/CA Multiple Priority Level
Security Interfaces	128-bit AES Encryption
Configuration & Management	Remote control through Access Gateway Performance Monitoring
Port	N° 1 Ethernet Port
Buttons	"Reset", "Security"
LEDs	Power, Link, Ethernet
Power	INPUT: 220-240V 50Hz
Environmental Specifications	Temperature: • Operating : +0 to 40 °C • Non Operating : -25 to 70 °C Relative Humidity: • Operating : 30 to 90% non condensing • Non Operating : 30 to 95% non condensing
Agency Approvals and Certifications	CE mark, RoHS HomePlug AV
Physical Specifications	Dimensions: 222 x 133 x 93 mm Weight: 0.76 Kg
Standard Package Contents	N°2 DEX P200H Extender N°2 Ethernet cable n°1 CD (Device Management tool and QIG included)

