

# Discus<sup>TM</sup> 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

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

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.

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 DEXP200H 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

<b>Performance</b>	Full Rate Transmission up to 200 Mbps on the power line
<b>LAN Interfaces</b>	N° 1 10/100Base-T Ethernet ports (RJ-45 plug), compliant IEEE 802.3, IEEE 802.3u, with auto MDIX
<b>PLC Interface</b>	HomePlug AV Specification compliant
<b>QoS</b>	CSMA/CA Multiple Priority Level
<b>Security Interfaces</b>	128-bit AES Encryption
<b>Configuration &amp; Management</b>	Remote control through Access Gateway Performance Monitoring
<b>Port</b>	N° 1 Ethernet Port
<b>Buttons</b>	"Reset", "Security"
<b>LEDs</b>	Power, Link, Ethernet
<b>Power</b>	INPUT: 220-240V 50Hz
<b>Environmental Specifications</b>	Temperature: <ul style="list-style-type: none"> <li>• Operating : +0 to 40 °C</li> <li>• Non Operating : -25 to 70 °C</li> </ul> Relative Humidity: <ul style="list-style-type: none"> <li>• Operating : 30 to 90% non condensing</li> <li>• Non Operating : 30 to 95% non condensing</li> </ul>
<b>Agency Approvals and Certifications</b>	CE mark, RoHS HomePlug AV
<b>Physical Specifications</b>	Dimensions: 222 x 133 x 93 mm Weight: 0.76 Kg
<b>Standard Package Contents</b>	N°2 DEX P200H Extender N°2 Ethernet cable n°1 CD (Device Management tool and QIG included)

