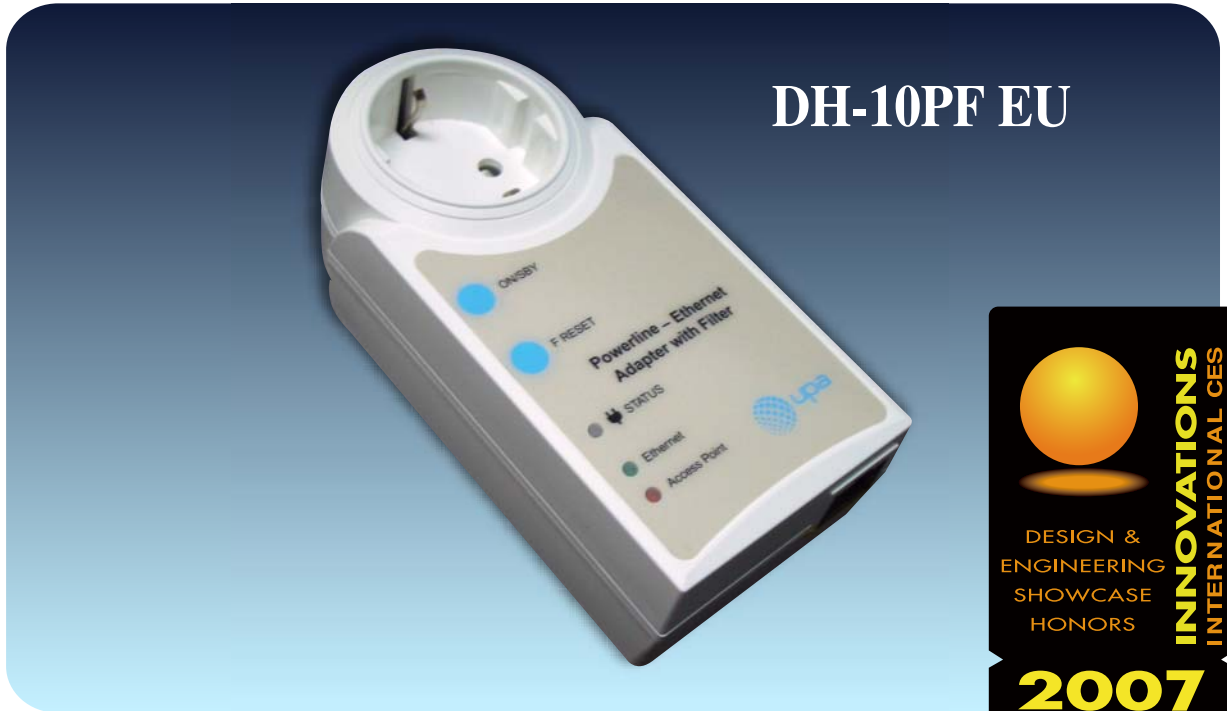
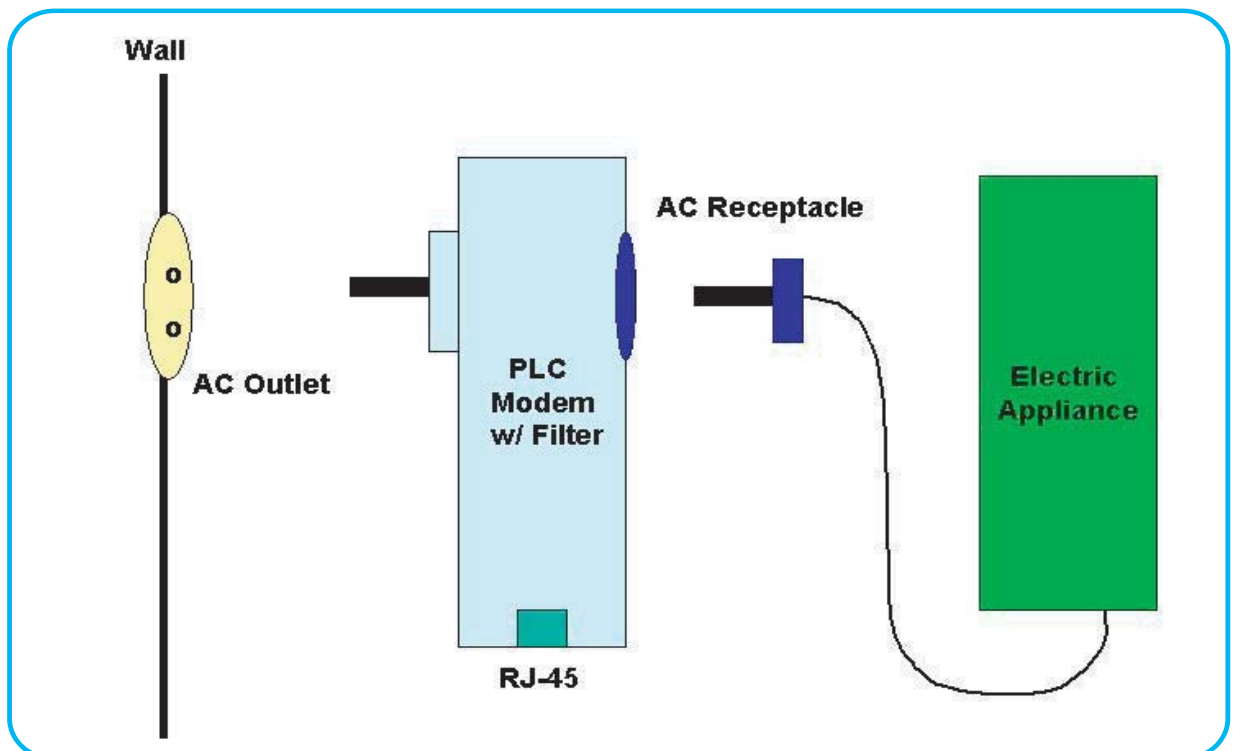


# Integrated PLC Ethernet Modem with Filter



In the in-house local area network ( LAN ) with PLC modem connected, one outlet will be occupied by each PLC modem, which in turn may cause the AC connection of devices at that spot area inconvenience due to shortage of AC outlet. A power strip with multiple outlet might be an alternative to overcome such problem. Unfortunately, the filter of power strip may stop the PLC signal and disable the operation of PLC modem. Furthermore, the high attenuation by power strip on PLC signal is another disadvantage for the operation of PLC network. AcBel adopt the state-of-art DS2 PLC technology as well as robust design to integrate the function of PLC modem as well as the additional AC outlet. The design not only maintain the characteristics of 200Mbps high speed power line communication but also take advantage of extension AC outlet of power strip. What is more, an effective low pass filter is embedded to filter out the potential noise generated by any electric appliance connected to extension AC outlet such that the impact by electric appliance on PLC operation is minimized.

## System Application Configuration



## Hardware Specification

Standards Compliance in PLC	UPA plug test ( Note ) CE RoHS
Data Rate	Ethernet : 10/100Mbps Physical layer : 200Mbps
Physical	132 x 65 x 40 mm 200 g
Electric	Input : 100-240VAC , 50/60Hz AC outlet : 10A
Lowpass Filter	Attenuation : > 35dB at 2MHz ~ 32MHz
Environment	Operation : 0° C – 40° C Storage : 0° C – 70° C Humidity: 10% - 90%
Connector	AC power plug AC receptacle RJ-45 Port x 1 ( 10/100Base-T, MDI/MDI-X Auto Crossover )
LED	( multi-color ) PLC Status ( green ) Ethernet ( yellow ) AP or EP
Switch	ON/SBY ( Standby ) Configuration / Factory Reset

Note : UPA means Universal Powerline Association  
RoHS compliant modem will be available in Q4 2006  
The AC plug can be customized

## Software Specification

Protocol support of PLC	IEEE 802.1d, 802.1p, 802.1q, 802.3, 802.3u
Security of PLC	3DES 168bits ( Optional AES 128/256bits)
OS support	Window 98, ME, 2000, XP, VISTA, MAC OS X
Management of PLC	Web-based management at layer 2
Others	Plug and play, auto-configuration Firmware upgrade by TFTP Multicast ( IGMP ), Smart Routing , TR-069 ...



Specifications subject to change without notice.



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