

# Internet-to-tv

## POWERLINE ETHERNET ADAPTERS

CM-6100

**Reliable solution for delivering a network connection to an internet connected device through an established power outlet.**

CM-6100 is Retail packaged as a kit and includes two adaptors



1-Port

**Internet-to-tv**  
POWERLINE ETHERNET ADAPTER

**Simple** No new wires or home upgrades are required, Seamlessly linking consumer entertainment devices from room to room using the existing power outlets.

**Easy to Install** Works first time after set-up. No additional configuration. It works where the TV or STB works. Customers can easily place products and watch at the outlet they want.

**Secure** Easily shares video and data files through your home powerline network.

**Future Proof** The Internet-to-TV solution supports multiple simultaneous HDTV, SDTV, DVR, data, gaming, and voice streams. It can support up to 200 Mbps (phy rate) home network and is consistent with DLNA, CableHome, UPnP™ Technology, and 1394.

CM-6104 is Retail packaged as a kit and includes one CM-6100 adaptor and one CM-6104 Switch.



**Internet-to-tv**  
4-PORT POWERLINE ETHERNET SWITCH

4-Port



CM-6104

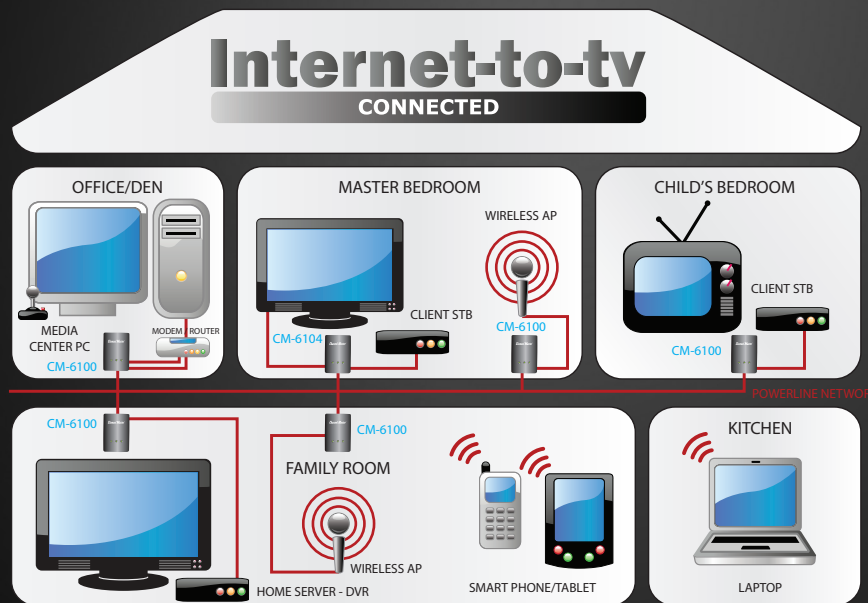
# Channel Master®

## Key Features

- Internet-through-Power Outlets
- Status LED lights (Power, Ethernet Link/ACT, PLC Link)
- Easy installation into existing home power outlets to link entertainment devices from room to room.
- Reliable access to data, audio, and video streams (SDTV, HDTV)
- Transmission rates up to 200 Mbps (phy rate).

## Specifications

Internet-Over-Powerline	1-Port
Group(pairing) Button	YES
Set-to-factory-default	YES
LED	Power, Ethernet Link/ ACT, PLC Link/ACT
Power Consumption	<5W
Performance	
PHY Rate	200 Mbps
TCP	Up to 92 Mbps
UDP	Up to 94 Mbps
Operating Temperature	0~40°C
Operating Humidity	10-65% non-condensing
Standards	HomePlug AV, IEEE 802.3, IEEE 802.3u
Dimensions (mm)	94 (W)×60(L)×28.5 (H)
Regulatory Compliance	FCC, CE-LVD, RoHS



## TECHNOLOGIES

## PROS

## CONS

Wireless (WiFi)

Mobility

Reliability is a challenge  
Prone to interference  
Unlicensed band

Powerline (HomePlug, HDPLC, UPA)

Ubiquity of outlets

Performance not on par with Internet-Over-Coax  
Prone to high interference  
Low outlet coverage performance

Internet-to-TV over Coax Solutions

Proven performance and Reliability In use by all three pay TV segments.

Reliant on coaxial outlet penetration

Phoneline (HomePNA)

Ubiquity of phone jacks

Performance can not match Internet-Over-Coax  
Does not work in cable modem environment  
No endorsement by US satellite providers  
Niche market (telco only)  
Technology deadends. No HPNA 4.0

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