

Product Brief

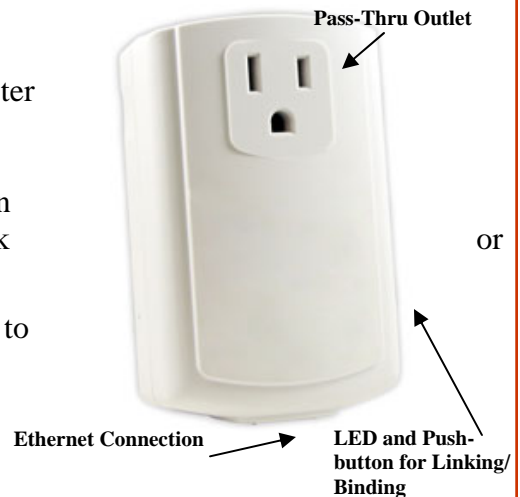
Harmony™ Multi-Protocol HAN Gateway

Model #5010M

Harmony™, the next generation of the already popular EZSrvr, bridges modern home automation networks (HANs) and computer networks (LANs or WANs) adding ZigBee. Built-in servers (including HTTP and web 2.0 XML services) are provided, enabling monitoring and control of appliances from any location using PDAs, PCs, Touch Screens, etc. through the local network the Internet.

Built-in interfaces and clever device handling allow Harmony™ to interoperate the most widely used powerline and RF based protocols: ZigBee, INSTEON and X10. This expands the universe of devices available to set-up home and building automation for energy savings and convenience.

In addition to providing the facilities to manage, control and monitor ZigBee/ INSTEON/X10 devices, Harmony™ maintains timers and events and has permanent storage so as to operate independently of a PC.



Benefits

- Sophisticated and powerful computing platform based on 32-bit RISC CPU (ARM7), NET+OS/ ThreadX, and the Jennic JN5148 IEEE 805.15.4 radio
- Complete home/building automation and energy management software built-in giving the ability to monitor and manage energy consumption
- Ethernet 10/100 dual speed interface provides network connectivity into any wired computer network
- Accessible from anywhere including the Internet through built-in web services
- Available Rich Internet Application (RIA) that provides easy-to-use graphical and multi-media user interface
- Direct and timed based control of devices with unlimited versatility for scenes management and macro capability
- Enables advanced irrigation with our INSTEON EZFlora™ and/or ZigBee RainBee™ controllers

SPECIFICATIONS:

Operating Voltage / Freq:	120 VAC / 60 Hz
Internal Memory:	Server: 2Mb Flash, 8Mb DRAM ZigBee: 128Kb Flash/128Kb RAM
Interfaces:	Ethernet: 10/100MBS
Size:	3.9" H X 2.6" W X 1.5" H
Weight:	10.4 Oz.
Mounting:	Plug-in to standard 3-prong outlet. With pass-through outlet 120V 15A
Indicators:	White LED for all indications
Powerline Protocols:	INSTEON, X10
Available Wireless Protocols:	ZigBee PRO, JenNet, 6LoWPAN (defaults to ZigBee)
Reset:	Accessible reset switch

Harmony™ HAN Gateway Details

Technical Features:	
Processors:	Main: ARM7—32-bit RISC Radio JN5148—32-bit RISC INSTEON: 8-bit PIC CPU
Internal Memory:	Main: Parallel Flash: 2 or 4Mb DRAM: 8Mb; Radio: 256Kb RAM, 256K Flash;
Ethernet Interface:	One port, 10/100Base-T
Wireless Interface:	JN5148 IEEE 802.15.4 radio transceiver. Available with either ZigBee PRO, JenNet or 6LoWPAN
Real Time Clock:	Battery-backed RTC
Power required:	120V AC input.

