

Intelagrid[®] Technology Solutions

ecoBox[™] Home Energy Gateway



KEY FEATURES

- 3 Standards based communications IEE 802.3, 804.15.4 and 802.11 B G
- Smart home command and control gateway
- Plug and Play self provisioning
- Router & wireless access point
- Built in energy auditing software
- Compatible with ecoMeter and ecoStat products
- Low cost

The Intelagrid ecoBox home gateway is really three devices in one box. First, there's a wireless access point and router, which lets you connect to both wireless-G (802.11g at 54Mbps) and wireless-B (802.11b at 11Mbps) devices. There's also a built-in smart home command and control system that provides command and control of lighting, appliances, HVAC, and security systems and future products that support ZigBee and/or Wifi. Finally, ecoBox is a powerful energy auditing system that will monitor usage and provide real time visibility and comparative data including tips on how to make your home more energy efficient. The ecoBox provides the ability for remote access through the intelahome web based portal using a computer or mobile phone.

The router function ties it all together and lets your whole network share a high-speed cable or DSL Internet connection. The ecoBox is a plug and play device and simply connecting to a broadband modem will automatically provision itself. ecoBox is a true smarthome energy gateway capable of supporting multiple standards based devices.



Technical Specifications

Intelagrid Part Number	ecoBox
Interface	Two 10/100 Base t, half/full duplex. Rate auto negotiated (IEEE 802.3 compliant) Zigbee Wireless (IEEE 802.15.4 compliant) Wireless (IEEE 802.11 B G compliant)
Signal Rate	54 Mbps Wifi and 240 kbps wireless ZigBee
Power Consumption	9 to 48VDC Input Voltage Range
Mechanical Dimensions	7.1" W x 1.5" H x 4.1"D
Weight	.9 Kg
Processor	Intel® IXP425 XScale® 533 MHz
Memory	64Mbytes of SDRAM, and 16Mbytes of flash
Temperature	-40 C to +85 C
Complies with Standards	FCC Part 15
Frequency	2400 MHz to 2483.5 MHz, 16-MHz channels

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