

RD5200-ETH-U



INT5200 PowerPacket™ Universal Ethernet Wall Adapter Reference Design

Features

- First universal Ethernet to Powerline bridge based on Intellon's advanced INT5200 PowerPacket transceiver chip
- Complete manufacturing kit for easy production and *fast* time-to-market
- Industry-leading IC integration and simplified product design significantly reduce bill of materials and assembly costs
- Simplifies development cycle, testing, FCC and UL approvals
- Compact wall wart form factor
- Works with both 120V and 240V AC environments
- HomePlug™ 1.0 compliant
- Uses a low cost Ethernet PHY with Auto-MDIX for ease of use
- Integrated thru-chip EEPROM programming
- Large bridge tables with advanced aging allows for virtually unlimited nodes
- Fully operational right out of the box with no drivers required: works with all versions of Windows and MAC
- Low power consumption
- Fully supported by the Intellon high speed Production Test System
- Licensed to use Intellon PowerPacket™ and No New Wires® registered marks



Benefits

Intellon, the world leader in powerline networking technology, is now offering the RD5200-ETH-U PowerPacket™ Reference Design. This package offers manufacturers everything they need to move right to production with the industry's lowest cost Ethernet to Powerline wall adapter.

The RD5200-ETH-U PowerPacket™ Reference Design offers a breakthrough Ethernet to Powerline wall adapter design. Using Intellon's advanced INT5200 powerpacket transceiver chip, the Reference Design reduces costs, simplifies manufacturing as well as FCC / UL approvals, and reduces time to market.

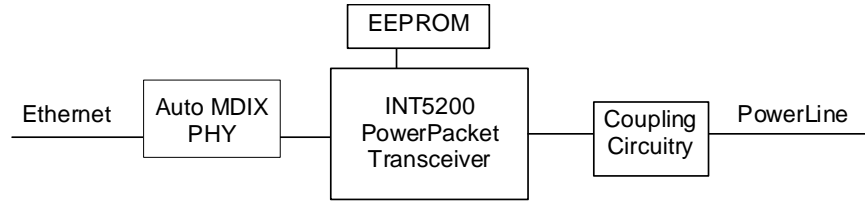
The Reference Design provides all the hardware, software and manufacturing collateral required to begin immediate production of the Ethernet to Powerline wall adapter. It includes a customizable, ready-to-ship installation CD with schematics, BOM, Gerber and PCB layout files. The CD also includes Security Configuration Utilities supporting both Windows and MAC operating systems.

The RD5200-ETH-U is designed for use with Intellon's Production Test Station to provide complete end-of-line GO/NO-GO testing and thru-chip EEPROM programming, all in less than 10 seconds.

The RD5200-ETH-U Reference Design is available for use in a wide range of settings, including residential (in-home), commercial (offices, apartments, hotels, warehouses), transportation and defense applications.

Just plug it in!

Functional Diagram



No low level driver or other piece of software is required for a network of RD5200-ETH-U devices to work out of the box!

Applications

- Shared broadband internet access
- Audio and video streaming and transfer
- Expanding the coverage of wireless LANs
- Voice Over IP calls
- PC file and application sharing
- Printer and peripheral sharing
- Network and online gaming
- Security cameras

Intellon: The World Leader in Powerline Networking

- ✓ Patented technology chosen as the basis for HomePlug 1.0
- ✓ Complete HomePlug IC solution from a single supplier
- ✓ Only implementation proven in 500-home test
- ✓ Most real-world experience in Powerline networking



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