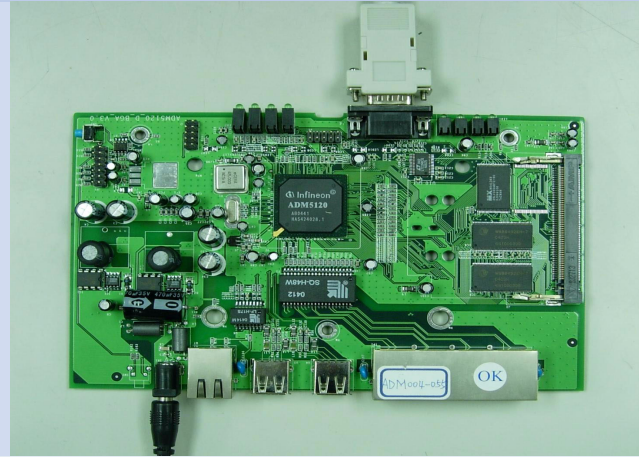# EASY 5120-RT

Wired Router Reference Package V1.1

The EASY 5120-RT reference package demonstrates Infineon's wired router capabilities. This reference platform allows system engineers to develop time-to-market router products.

The EASY 5120-RT reference design is based on Infineon's SoC LAN technologies to provide high data transmission throughput through wired access. The software is based on Linux operating system embedded with fast NAT.

Applications

The applications of EASY 5120-RT reference package are for SOHO router or small office router. With 10/100 based-T WAN interface, the EASY 5120-RT can connect to ADSL modem or cable modem to access the broadband services. The fast NAT provides high throughput and shares the public IP with PCs connected to the LAN ports.

Hardware Features

- One WAN interface on-board
- Four LAN interfaces on-board
- USB 1.1
- RS-232 daughter board serial interface
- Support for EJTAG debugger interface
- Requires +12 V power supply

Software Features

- Embedded Linux® kernel version 2.4.20
- Device drivers for all internal peripherals
- Supports TCP/IP related networking protocols (IP, TCP, UDP, ARP, RARP, ICMP, DHCP, UPnP, PPP, and PPPoE)
- NAT, NAPT, ALG, Firewall, Address filtering, DNS, NTP
- Download function via TFTP and web
- Web based configuration

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Ordering Information

Core Technology Products

Product	Sales Code	Description	Package
ADM5120	ADM5120	Communication network processor for higher layer communication interfaces and management	BGA-324

Reference Platform

Product Sales Code	Description	Package
EASY 5120-RT	Highly integrated router hardware reference platform for wired router software development.	One board and Linux Software package

Complete Wired Router Application Example
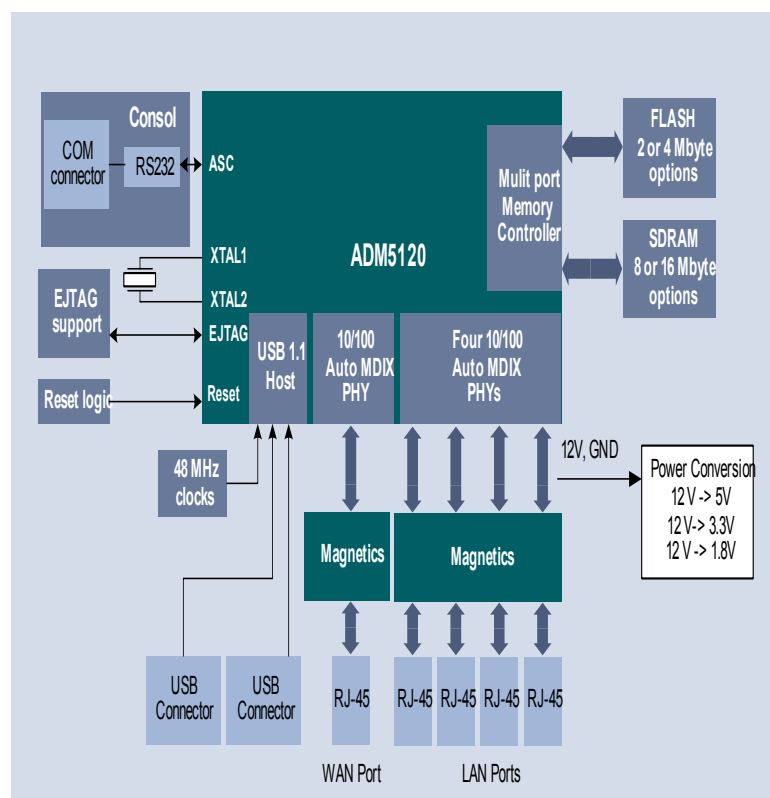
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