

High Performance Wireless Router

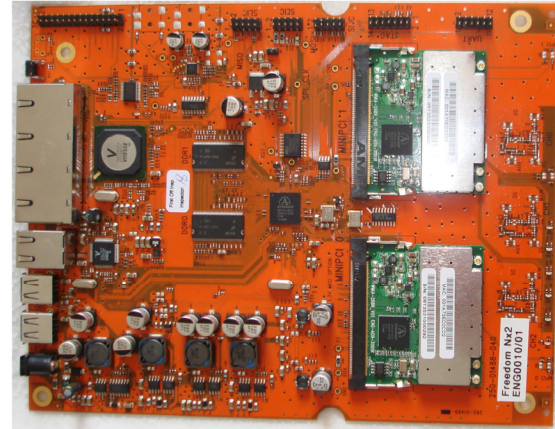
Abicom's "Freedom Nx2" incorporates all of the key components needed to deliver high-performance, dual concurrent AP/Router/Bridge solutions.

The FreedomNx2 builds upon the strength of Abicom's partnership with Atheros communications and features the industry's only custom-designed WLAN network processor.

The "Freedom Nx2" leverages the outstanding performance of Atheros' 600MHz AR7161 WNPU to achieve Gigabit Ethernet connectivity, whilst, when combined with Abicom's 802.11n wireless solutions delivers the ultimate in 802.11n networking.

Simultaneous, dual radio 3x3 MIMO capability enables a bandwidth of up to 600Mbps PHY/Link rate to be achieved.

A fully functional software suite allows the Freedom Nx2 to operate as either a high performance outdoor wireless bridge, or as traditional access point



Freedom Nx2 Platform

Key Platform Features

- 600Mhz, AR7161 WLAN-NPU
Mips 24K processing core
- 64MB DDR SDRAM
- 8MB Flash
- 5 Gigabit Ethernet ports
- Two USB2.0 MAC/PHYS
- I²S Audio Interface
- 2x 32 Bit 33/66Mhz PCI2.3 Host Interfaces
- 12Vdc PSU
- High Speed UART & GPIO
- JTAG

About Abicom: Abicom International, Ltd. provides wireless engineering services and product development in all aspects of data communications.

Abicom has extensive experience in WLAN, WISP (Wireless ISP) and is an Atheros Authorised Design Center.

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Radio Features

- AR9160 MAC/BB + AR9106RF
- 3x U.FL connectors 3TX/3RX
- Up to 17dBm output power
- HT20/HT40 Support
- 4W power consumption under full load
- 32-bit mini-PCI, Type III format
- Up to 300 Mbps data rate
- Fully DFS2 compliant solution

Bridge/Router Features

- Wireless AP/Wireless Bridge Modes
- WPA/WPA2 Authentication
- Radius Authentication
- Client access control
- Webserver based configuration
- Remote syslog support
- Polling support (Q3 2008)
- Centralized management tools