# routerOS: RouterBOARD.com

User Management

- support more than 3000 PPPoE or Hotspot clients
  - full radius support for user parameters
    - tx/rx speed, address, filter rules
  - supports radius real time modification of parameters while users are online
- Peer to peer control (P2P)
  - burst time
  - per client P2P tx/rx rules
  - P2P pool
  - complete blocking of P2P

Wireless AP and Backbone

- Wireless monitoring
  - Frequency scanning with detailed report
  - Raw wireless packet sniffer
    - streaming option to Ethereal analyzer
    - option to save to a file format supported by Ethereal
  - Snooper packet inspection
    - analyzes all raw frames received for wireless parameters
    - monitor a single channel or all channels

- Nstreme wireless polling protocol
  - no decrease in speed over long distances (as seen with the 802.11 ack packet bottleneck)
  - polling improves speed and eliminates contention for access to the wireless bandwidth
  - access point control over Nstreme clients tx data to optimize use of the wireless medium
  - radius support for the access control list including bandwidth settings for wireless clients

- Full 802.11a/b/g support

  The above is a brief description of a few features, for more information and a fully featured 24 hour demo go to:

$95

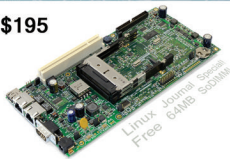- MDI-X
- 4 separate 10/100 ports
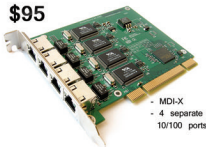
RouterBOARD 44

For the Router Builder !

- rackmount servers and routers
- up to 24 Ethernet ports in a PC
- no more straight/cross cable problems
- server quality VIA VT6105 chips

$195

Linux Journal Silver Free 64MB SODIMM

RouterBOARD 230

No feature left behind !

Integrated router with various interfaces. Use as an AP on a tower with up to 500ft PoE. Includes IDE/CF, miniPCI, USB, PCMCIA, UART, PCI, GPIO, LCD controller, Linux SDK, and more.
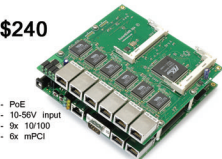
$120 $65

Eight ports   Four ports

RouterBOARD 11/14/18

Multi radio tower !

MiniPCI to PCI adapters for multi radio system. Tested with sixteen radios in one Router/AP.

$240

- PoE
- 10-56V input
- 9x 10/100
- 6x mPCI

RouterBOARD 500 & RouterBOARD 564

The Wireless Switchboard !

For a complete multi-radio tower system, the RouterBOARD 500 can carry a daughterboard (RouterBOARD 564) which adds six ethernets and four miniPCI.

RouterBOARD 500

$140
(low voltage version)

- Linux Board Support Package (full Debian MIPS installation)
- 266-400Mhz MIPS CPU
- 64MB NAND storage
- Compact Flash
- 32MB DDR
- Low power
- PoE 802.3af standard and passive PoE (also 12V PoE)
- 10-24V and 25-48V power mode
- 3 10/100 Ethernets MDI-X
- 2 miniPCI (one on each side)
- 2-3x faster for networking than the Geode SC1100 boards
- 200-300MB/s aggregate throughput
- L3 RouterOS license included