MikroTik

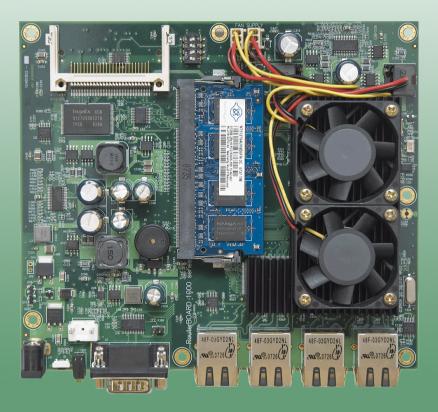
# RouterBOARD 1000

product overview



#### key features

- 1333 MHz CPU (1000/1200/1333/1500 MHz optional)
- adjustable CPU clock
- ' lead free parts
- compact size 140x160mm)
- four 10/100/1000 Mbit/s Gigabit Ethernet ports
- ✓ Auto-MDI/X
- dual fan for failower
- onboard NAND memory chip
- MikroTik RouterOS v3 Level 6 license
- SODIMM DDR Slot
- \* two compact falsh slots for cache and backups
- beeper
- wide powering range: 10 28v (12v recomended)
- ✓ low power consumption: 12 15W



#### specification

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CPU	PPC8547 1333MHz network processor
Memory	SODIMM DDR Slot, 512MB installed
Boot loader	RouterBOOT, 1Mbit Flash chip
Data storage	Onboard NAND memory chip
Ethernet	Four 10/100/1000 Mbit/s Gigabit Ethernet with Auto-MDI/X
miniPCI	None
Compact Flash	Two CompactFlash slot (TrueIDE Microdrive supported)
Serial port	One DB9 RS232C asynchronous serial port
Beeper	Present
Power options	Power jack: 12V DC (includes power supply)
Fan	Dual fan with failover support
Case	Desktop or Rackmount
Dimensions	14 cm x 16 cm
Operating System	MikroTik RouterOS v3, Level6 license

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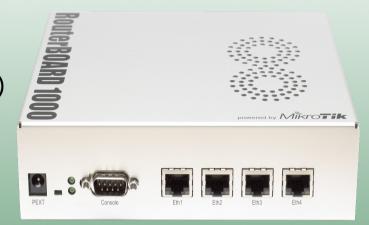
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#### **RouterBOARD 1000 variations**

# **Desktop version**

anodized aluminium case (150x180x43mm)

compact flash disk opening



# **1U Rackmount version**

1U anodized aluminium case (442x44x152mm)

removable rack mounting fastenings



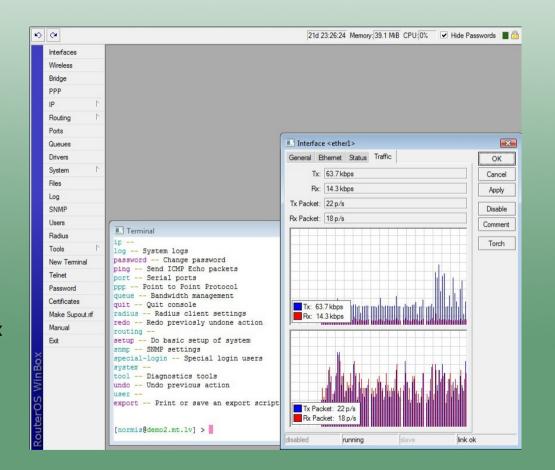


#### powered by Router OS

#### RB1000 is powered by MikroTik RouterOS v3

### **Router OS main features**

- Routing
- Load Balancing
- Tunnels and VPN
- Bridging
- Bandwidth Management
- Cache
- Firewall
- HotSpot
- Router and Network Administration
- Remote access via Telnet and GUI WinBox





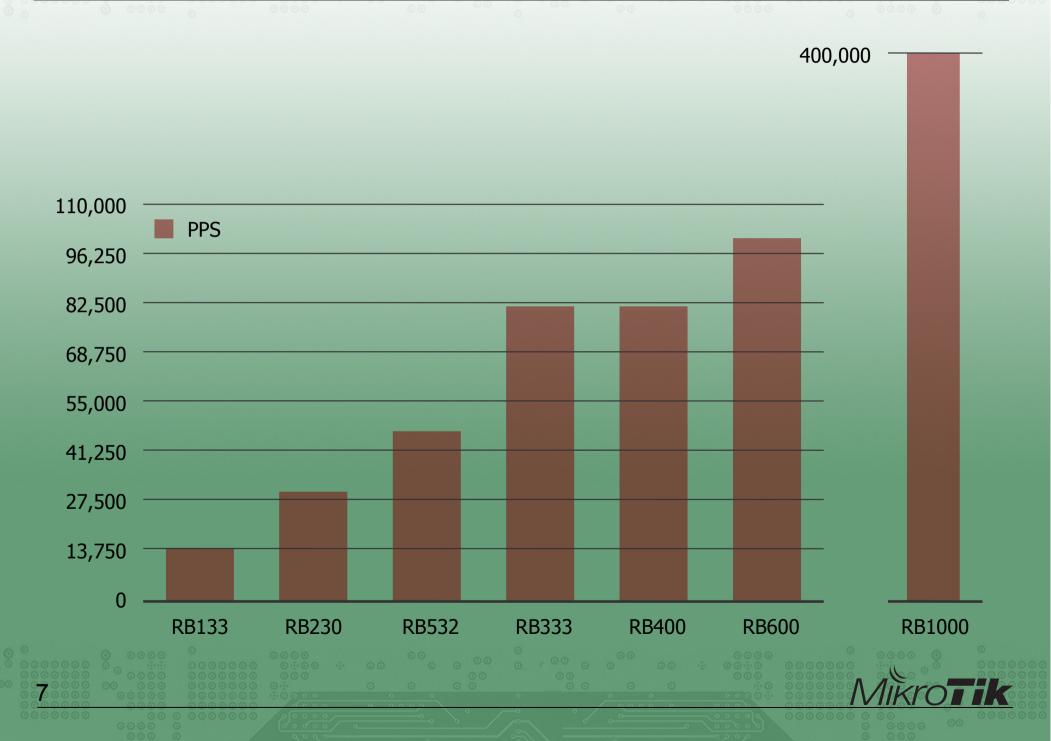
Superior processing power over almost every single core x86 PC.

 Has four independent (not on PCI bus) Gbps ports (x86 machines have maximum two).





#### **RouterBOARD throughput comparison table**



#### application examples

- Backbone router
- Bandwidth Controller
- Firewall
- VPN (PPPoE, PPTP, L2TP) server
- IPSec encryption
- HotSpot gateway
- User Manager
- Dude Server



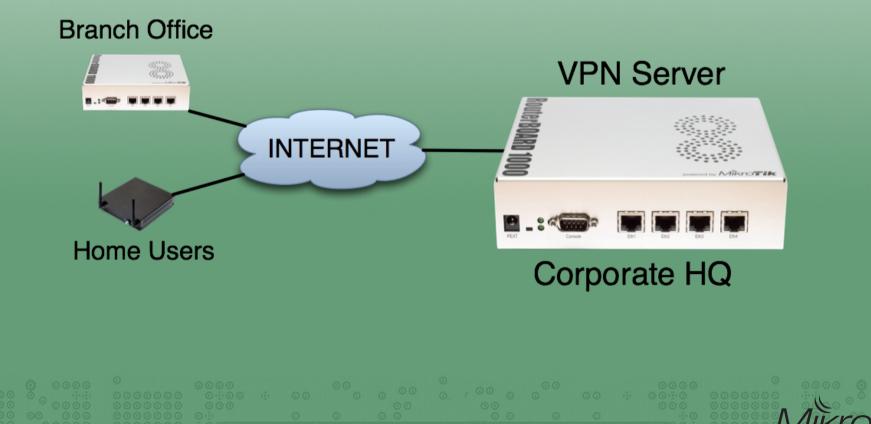
#### application examples

**Bandwidth Controller** - RouterBOARD 1000 will let you take control of your network traffic bandwidth and give you more power and flexibility due to it's superior CPU and customizable RAM size. Limit the data rates of all traffic flowing through the device! Suitable for service providers, corporate networks and large ISPs. It can handle thousands of queues!

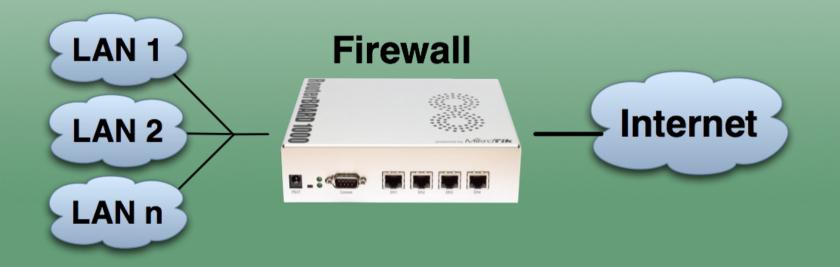
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#### application examples

**VPN server** - connect remote sites or users together, instead of using a dedicated, real-world connection, such as leased lines, use VPN to connect company's private network to the remote site, or, employee through the Internet. RB1000 can handle hundreds of VPN connections!



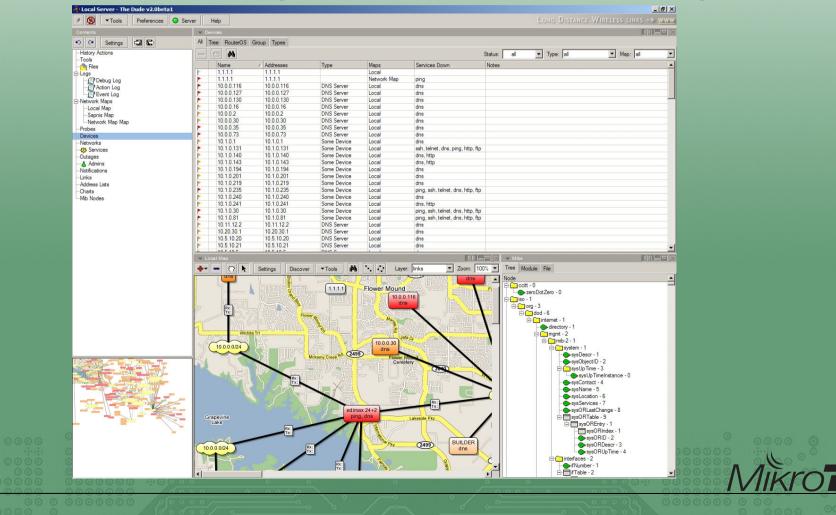
Use RB1000 as a **Backbone router** or **Firewall**! It can handle up to 400,000 pps or 3.2Gbps full duplex!



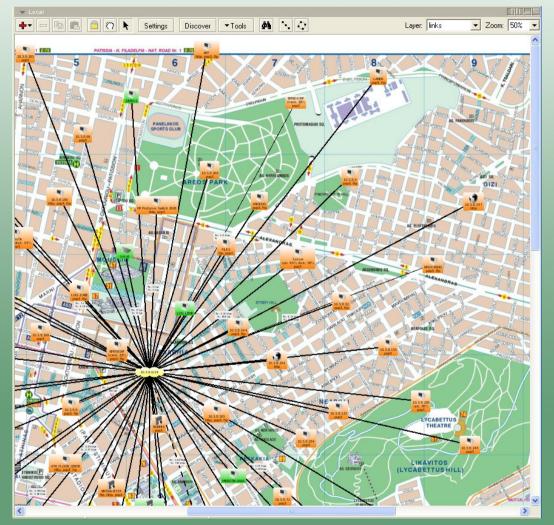


#### application examples - dude server

**RouterBOARD 1000 as a Dude server -** powerful network monitoring and management tool which dramatically improves the way you manage your network. It will automatically scan all devices, draw and layout a map of your network, monitor services of your devices and alert you in case some service has problems.



#### dude features



- Auto network discovery and layout
- Discovers any type or brand of device
- Device, Link monitoring, and notifications
- SVG icons for devices, custom icons and backgrounds
- Easy installation and usage
- Draw your own maps and add custom devices
- SNMP, ICMP, DNS and TCP monitoring support
- Individual Link usage monitoring and graphs
- Direct access to remote control tools for device management
- Runs in Linux Wine, Mac OS Darwine and Windows

# **RouterBOARD 1000 as a HotSpot gateway -** Easy user authentication and accounting in public, private, wired or wireless networks. HotSpot technology allows to offer Internet access, while applying certain Internet use rules and limitations.

		ikra 105 Us	
	login   assword		
F	assmora		Login

# features:

- ✓ User accounting by time, data transferred/received
- Cookie (remembers user name,password)
- Tx speed limit (Bandwidth shaping)
- Y Quota (session-timeout, downloaded/uploaded traffic limit)
- Real-time user status information
- Customized HTML pages for login (create your own design)
- ✓ DHCP server assigned IP addresses
- Easy client administration using RADIUS/local user database
- $^{\scriptscriptstyle \prime}$  Compatible with RouterOS PPTP tunnels, IPsec, and other features

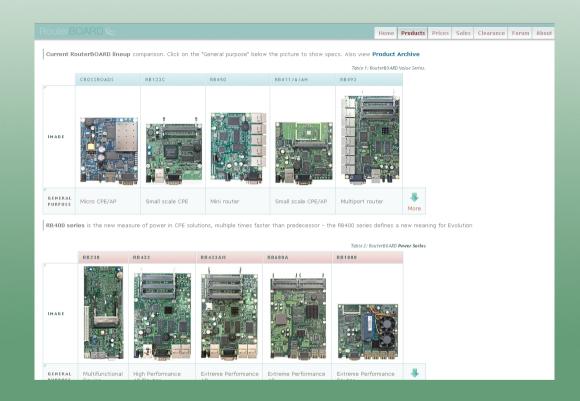
#### application examples – User Manager

# **RouterBOARD 1000 as a User Manager -** Centralized Authorization and Accounting system that can be used to administer HotSpot users, PPP (PPtP/PPPoE) users, DHCP users, Wireless users, RouterOS users.

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