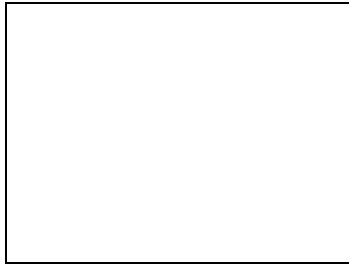


Mikrotik Routerboard RB/532 is supported starting with DD-WRT v23 SP1.



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Overview

The Routerboard 532 is a high performance all-in-one integrated communications platform for high-throughput Ethernet and wireless based networks. Its simple and robust design ensures reliable non-stop operation of the unit. Compared to Geode SC1100 based boards (e.g. [Soekris Engineering Net4801](#)), this power-efficient design performs 2 to 3 times faster thanks to a MIPS 4Kc core CPU architecture.

From the base configuration of 3 Ethernet ports and 2 MiniPCI slots (for wireless cards) it can be extended by using daughterboards for four more MiniPCI slots, or even up to a total of 15 interfaces (9 Ethernet ports and 6 MiniPCI slots). A wide range of accepted input power means that you can connect to almost any direct current power source you already have on site. It also can be powered through an Ethernet port using Power-over-Ethernet technology (802.3af) or passive non-standard PoE.

RouterOS and Linux (reference Debian GNU/Linux image and source available) can be used to operate this board. This board is also compatible with [DD-WRT](#) starting with [V23 SP2](#).

There are 2 versions of the Routerboard 532, the 'plain' 532, and the 532A. The key difference is that the 'A' version has double the RAM (64MB vs 32) and a faster CPU (400MHz vs. 266). There also exists some add-on boards:

- the [RB564 daughterboard](#) adds 4 additional MiniPCI slots and 6 additional ethernet ports
- the [RB502 daughterboard](#) adds 2 additional MiniPCI slots
- the RB604 daughterboard adds 4 additional MiniPCI slots

Performance Notes

It has been [noted in the DD-WRT forums](#) that due to the design of this board, the ethernet switch ports controlled by the VIA/Rhine chipset incur a high CPU usage and limit usable bandwidth between LAN ports

to around 60Mbps. YMMV.

Specifications

please note, this information was more or less copied from the Mikrotik website, so some of the performance claims may be more marketing than "real world"

CPU	MIPS 32 4Kc @ 266MHz / 400MHz (532A)
RAM	32MB / 64MB (532A) DDR onboard memory
Root loader	RouterBOOT, 1Mbit Flash chip
Data storage	128MB onboard NAND memory chip CompactFlash type I/II slot (also supports IBM/Hitachi Microdrive)
Ethernet ports	One IDT Korina 10/100 Mbit/s Fast Ethernet port supporting Auto-MDI/X Two VIA VT6105 10/100 Mbit/s Fast Ethernet ports supporting Auto-MDI/X
MiniPCI slot	Two MiniPCI Type IIIA/IIIB slots
Daughterboard connector	Present
Serial ports	One DB9 RS232C asynchronous serial port
LEDs	Power, 2 LED pairs for MiniPCI slots, 1 user LED
Watchdog	IDT internal SoC hardware watchdog timer
Power options	IEEE802.3af Power over Ethernet: 12V or 48V DC Power jack/header 6..22V or 25..56V DC jumper selectable. PoE does not support power over datalines
Dimensions	14.0 cm x 14.0 cm (5.51 in x 5.51 in)
Temperature	Operational: -20°C to +70°C (-4°F to 158°F)
Humidity	Operational: 70% relative humidity (non-condensing)
Currently supported OS	RouterOS 2.9, Linux 2.4

References

<http://www.routerboard.com/rb500.html>