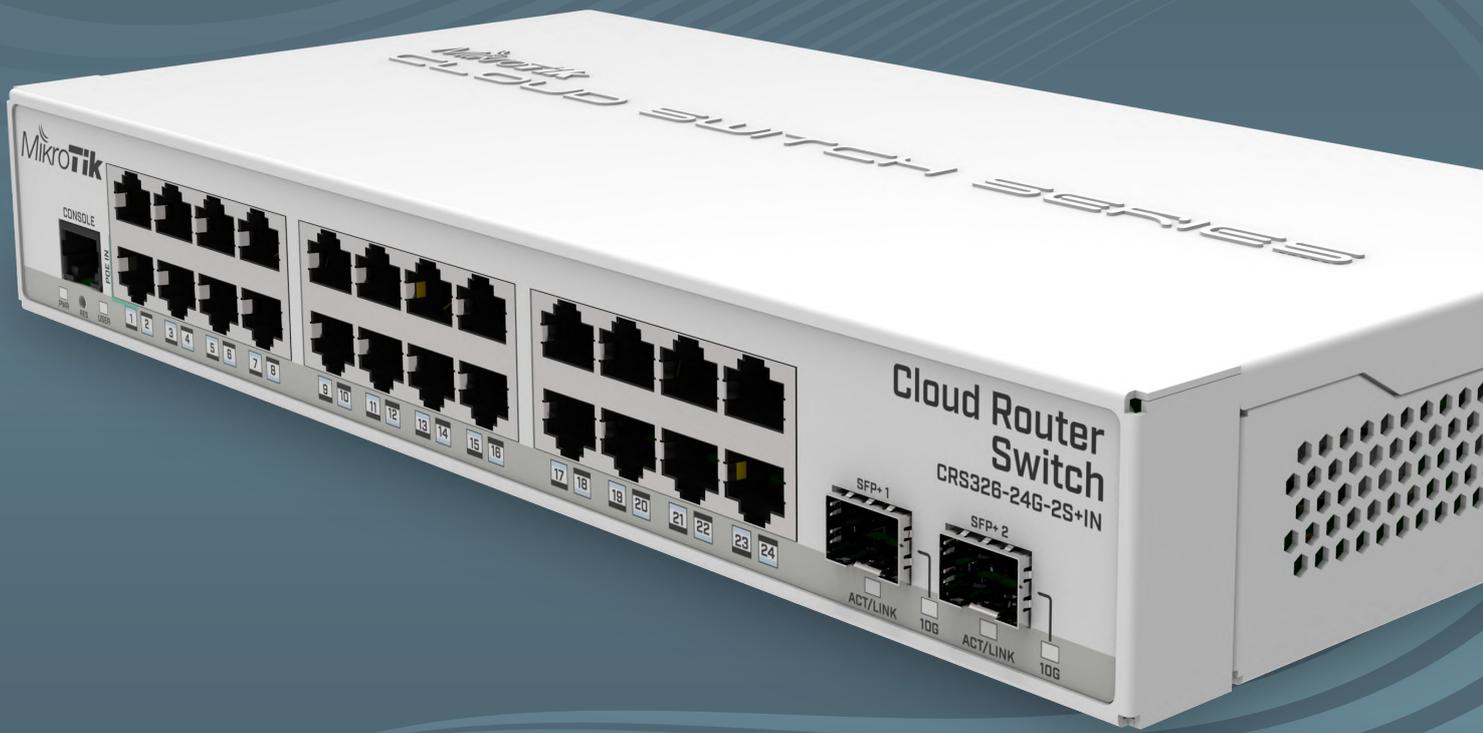


MikroTik



CRS326-24G-2S+IN

24 Gigabit ports, 2 SFP+ cages and a desktop case –
server room power for your home!

A home network setup doesn't have to be a compromise. This compact and quiet switch is packing some serious server room grade features: a pair of 10G SFP+ cages, 512 MB of RAM, 24 Gigabit Ethernet ports and a sufficient built-in CPU that can handle basic home user needs such as firewall, NAT and even some VPN. And it is extremely affordable – we are keeping the price on par with the previous generation desktop switches!



With CRS326-24G-2S+IN your home network setup can reach a truly professional level!



Like many other MikroTik switches, CRS326-24G-2S+IN offers the dual boot option that allows you to use either the lightweight SwOS or the advanced RouterOS. The compact and quiet fanless desktop case makes this switch the perfect addition to the best home setups. And it is very easy to transport! **But make no mistake – this small switch has all the power and features of its bigger rackmount analogue – the CRS326-24G-2S+RM, nothing has been removed!**

CRS326-24G-2S+IN provides all the basic functionality for a managed switch, and even more: port-to-port forwarding, MAC filtering, VLAN configuration, traffic mirroring, bandwidth limitation and even adjust some MAC and IP header fields. SFP+ cage supports both 1.25G SFP and 10G SFP+ modules.

Specifications

Product code	CRS326-24G-2S+IN
CPU	98DX3236 800 MHz
CPU core count	1
Size of RAM	512 MB
RAM type	DDR3
Storage	16 MB, flash
Number of 1G Ethernet ports	24
Number of 10G SFP+ ports	2
Operating system	SwOS / RouterOS (Dual boot)
License level	5
Supported input voltage	10 - 30 V (DC jack); 10 - 30 V (PoE-in)
Number of DC inputs	2 (DC jack, PoE-in)
Dimensions	285 x 144 x 44 mm
Operating temperature	-40°C to +60°C tested
Max power consumption	21 W

Included parts



24 V 1.2 A
power adapter

Switching test results

CRS326-24G-2S+IN

Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Switching	Non blocking Layer 2 throughput	3,576.1	43,427.8	10,338.3	42,345.9	65,476.2	33,523.8
Switching	Non blocking Layer 2 capacity	3,576.1	86,855.7	10,338.3	84,691.7	65,476.2	67,047.6
Switching	Non blocking Layer 1 throughput	3,576.1	44,000.0	10,338.3	44,000.0	65,476.2	44,000.0
Switching	Non blocking Layer 1 capacity	3,576.1	88,000.0	10,338.3	88,000.0	65,476.2	88,000.0

Ethernet test results *

CRS326-24G-2S+IN

98DX3236 all port test

Mode	Configuration	1518 byte		512 byte		64 byte	
		kpps	Mbps	kpps	Mbps	kpps	Mbps
Bridging	none (fast path)	104,3	1266.6	273,5	1120.3	449	229.9
Bridging	25 bridge filter rules	104	1263.0	104,6	428.4	104,5	53.5
Routing	none (fast path)	104,3	1266.6	273,9	1121.9	343,5	175.9
Routing	25 simple queues	104,3	1266.6	136,9	560.7	137,4	70.3
Routing	25 ip filter rules	64,8	786.9	65,9	269.9	65,8	33.7

* You can use this switch as a simple NAT router for home with 100-200 Mbps connection



CRS310-1G-5S-4S+IN

10 Gigabit fibre connectivity way over a 100 meters – for small offices or ISPs.
Hardware offloaded VLAN-filtering and even some L3 routing on a budget!



GIGABIT ETHERNET



5X 1 GIGABIT SFP



4X 10 GIGABIT SFP+



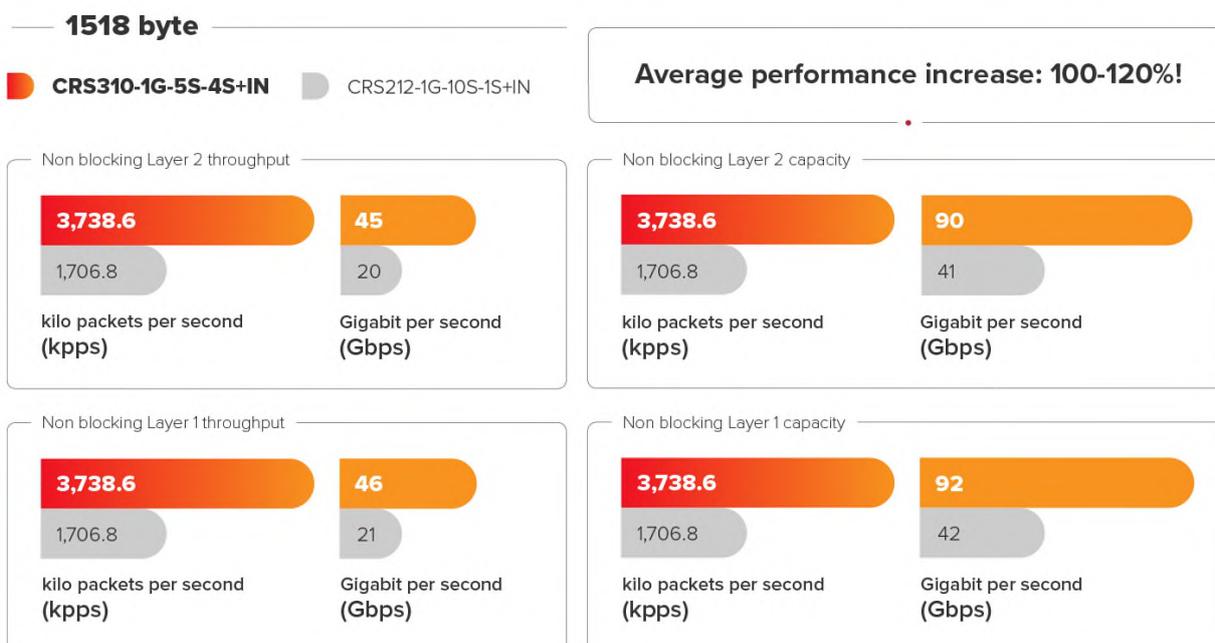
POE-IN



100-120% FASTER THAN
THE CRS212

Connections stretching over
a 100 meters – fast and stable!

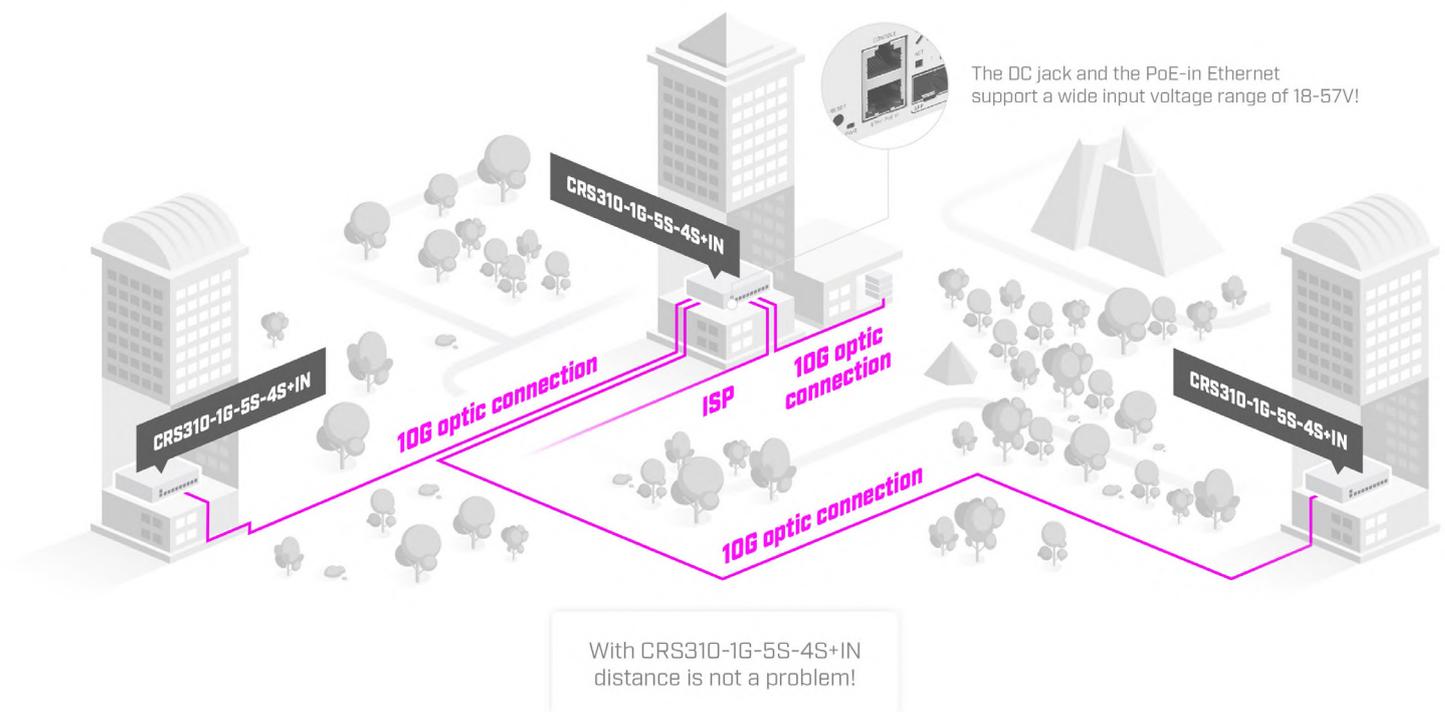
This switch is an indoor variation of the prominent netFiber 9 switch – used by many small and medium ISPs for reliable 10 Gigabit fibre connections stretching over a 100 meters. With five 1G SFP ports, four 10G SFP+ ports, and an additional Gigabit Ethernet port, this is the perfect upgrade for existing CRS212 setups. You're getting the modern ARM v7 CPU, 256 MB of RAM, and better cooling. The new Marvell switch-chips bring phenomenal performance to the table!



The Gigabit Ethernet port has a direct connection to the switch chip – so you can enjoy full gigabit speed there. And it supports PoE-in, giving you an additional powering option in tricky spots.

You can mount this switch in a standard 1U rack to keep everything organized. And it has all the power you would expect from a rackmount device: CRS310 supports hardware offloaded VLAN-filtering. And even some hardware offloaded Layer-3 routing.

CRS310-1G-5S-4S+IN is a fantastic tool for anyone working with indoor connections over 100 meters while keeping data loss and ping low. Optical fiber can be a great alternative to copper if you are worried about electromagnetic interference, tampering or eavesdropping.



• Specifications

Product code	CRS310-1G-5S-4S+IN
CPU	98DX226S 800 MHz
CPU architecture	ARM 32bit
CPU core count	1
Size of RAM	256 MB
RAM type	DDR3
Storage	16 MB, Flash
Number of 1G Ethernet ports	1
Number of 1G SFP ports	5
Number of 10G SFP+ ports	4
Switch chip model	98DX226S
Dimensions	200 x 166 x 45 mm
Operating system	RouterOS, License level 5
Operating temperature	-40°C to +70°C

• Powering

Number of DC inputs	2 (PoE-in, DC jack)
PoE-in input Voltage	18-57 V
DC jack input Voltage	18-57 V
Power adapter nominal voltage	24 V
Power adapter nominal current	1.2 A
Max power consumption without attachments	8 W
Max power consumption	20 W

• Included parts



24 V 1.2 A
power adapter



Fastening set



Rack ears

CSS326-24G-2S+RM

SwOS powered 24 port Gigabit Ethernet switch with two SFP+ ports, wire speed connectivity with several new switching features.

The device is powered by a Marvell DX switch chip. The device is running an operating system designed specifically for MikroTik switch products - SwOS. SwOS is configurable from your web browser. It gives you all the basic functionality for a managed switch, plus more: allows to manage port-to-port forwarding, apply MAC filter, configure VLANs, mirror traffic, apply bandwidth limitation and even adjust some MAC and IP header fields. SFP cage supports both 1.25 Gb SFP and 10 Gb SFP+ modules.

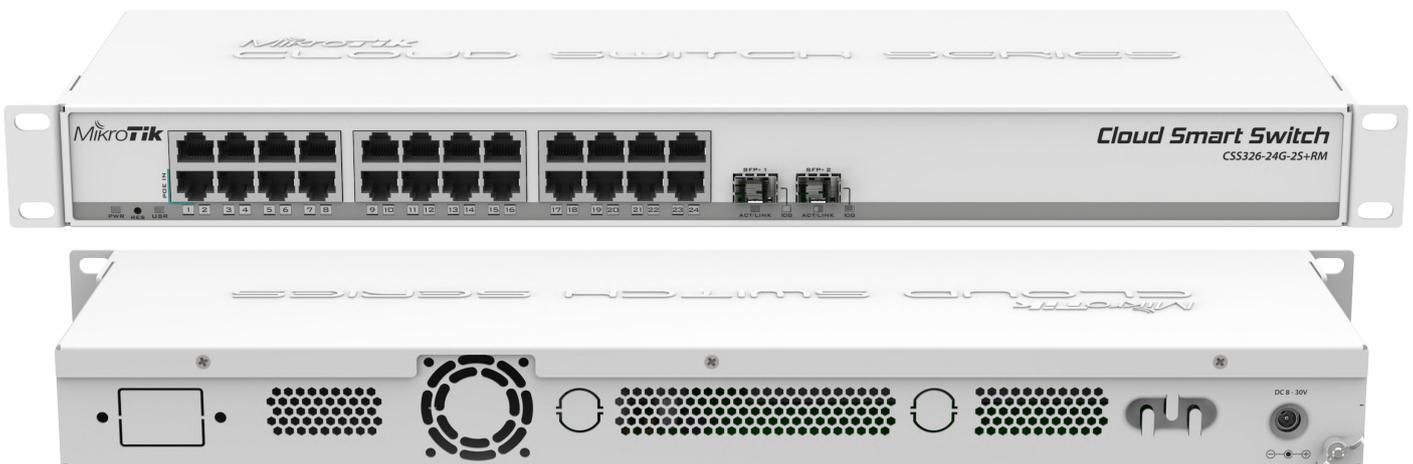
Specifications

Product code	CSS326-24G-2S+RM
Switch chip model	98DX3216A1
Storage type	Flash
Storage size	2 MB
10/100/1000 Ethernet ports	24
SFP+ cages	2
Operating system	SwOS
Supported input voltage	10 - 30 V (jack or passive PoE)
Dimensions	443 x 144 x 44 mm
Operating temperature	-20°C .. +70°C tested
Max power consumption	19 W

Features

- Non-blocking Layer 2 switching capacity
- 16K host table
- IEEE 802.1Q VLAN
- Supports up to 250 VLANs
- Port isolation
- Port security
- Broadcast storm control
- Port mirroring of ingress/egress traffic
- Rapid Spanning Tree Protocol
- Access Control List
- MikroTik neighbor discovery
- SNMP v1
- Web-based GUI

Included





L009UiGS-2HaxD-IN

Time to upgrade your RB2011 setups: more features & better performance for the same low price!



Up to
Fit up to

4

times the RAM
times faster than RB2011!
units in a single 1U rack space!

...more than just a router!



INNOVATIVE ENCLOSURE
THAT ACTS AS A MASSIVE HEAT-SINK



MODERN DUAL-CORE
ARM CPU



POWERFUL 2.4 GHZ AX
DUAL-CHAIN WIRELESS



8X GIGABIT
ETHERNET PORTS



SFP CAGE WITH
2.5G SUPPORT



USB 3.0



CONSOLE
PORT



512 MB RAM



POE-IN &
POE-OUT



CONTAINER
SUPPORT

With simple accessories, you can mount FOUR of these routers in a single 1U rackmount space!

The legendary RB2011 product line has provided affordable, flexible, and robust connectivity for over a decade. In fact, it was our very first router with SFP. Finally, it's time for an upgrade. But don't worry: we've kept and improved all the key elements and features of the beloved RB2011. Even the red color scheme and the appealing price!



There are three main reasons to choose the L009: better performance, more features, and some interesting quality-of-life improvements. Let's start with the raw power and performance improvements!

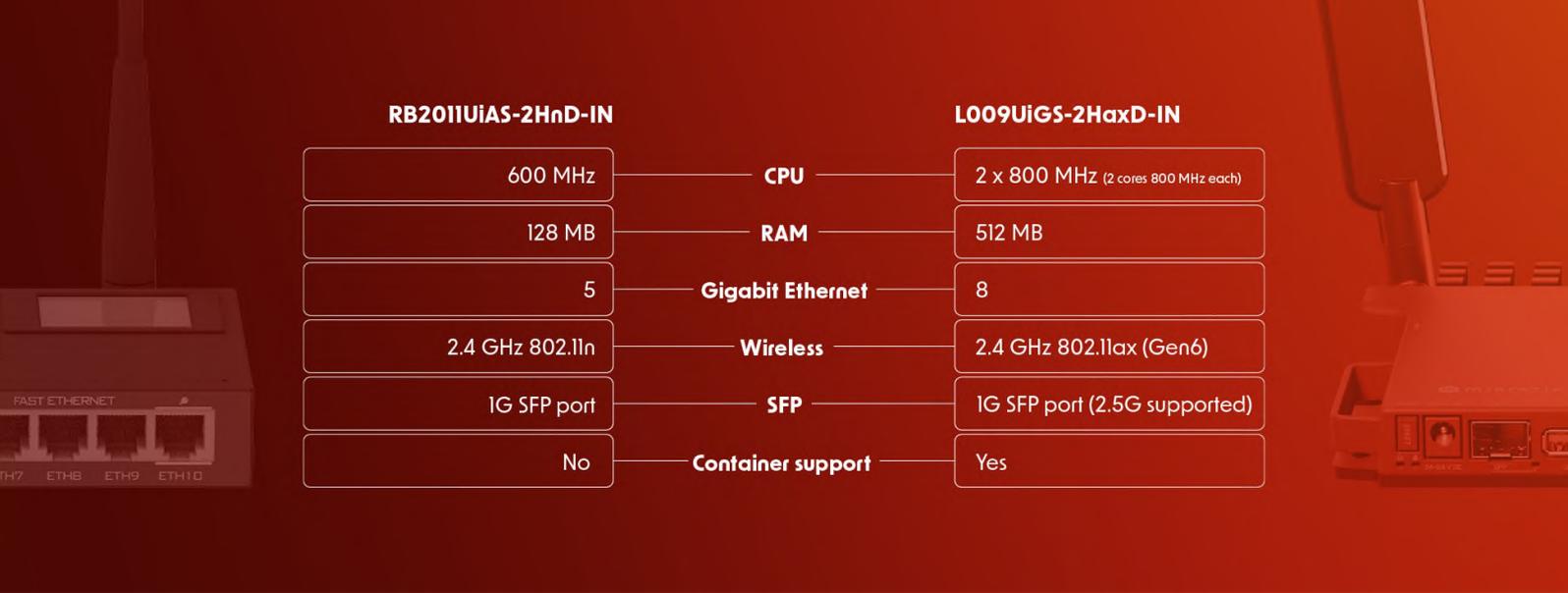
L009 features a powerful dual-core ARM CPU. It offers significant improvement when it comes to routing and filtering, complex firewall rules, IPsec hardware encryption, and various advanced RouterOS features. ARM CPU architecture provides significant advantages over older MIPS-based devices. Like using all the latest Linux Kernel features. Or implementing your own container projects. The combination of a modern ARM CPU and a full-sized USB port is perfect for running custom container projects. You could run a Pi-hole adblock on this router, for example. Or you could use the USB to add an LTE modem of your choice. Imagination is the real limit here.



L009 is up to 4 times faster than RB2011 in most cases and setups, from simple fast path routing to complex bridge filters.

All the ports are now Gigabit Ethernet ports. There's PoE-in on the first port. You can use it instead of the DC jack to power the unit. And there's PoE-Out* on the last port – for powering other devices. Another helpful addition is an SFP cage that supports both Gigabit and 2.5 Gigabit connectivity. We have tested a variety of MikroTik SFP modules and cables that support higher speeds – the 2.5G capability makes a sysadmin's life so much easier– there's a **console port for quick direct-access** configuration!

** Works only if powered by DC jack*



RB2011UiAS-2HnD-IN		L009UiGS-2HaxD-IN
600 MHz	CPU	2 x 800 MHz (2 cores 800 MHz each)
128 MB	RAM	512 MB
5	Gigabit Ethernet	8
2.4 GHz 802.11n	Wireless	2.4 GHz 802.11ax (Gen6)
1G SFP port	SFP	1G SFP port (2.5G supported)
No	Container support	Yes

At the heart of it all we have a speedy Marvell Peridot Switchchip which offers an impressive 2.5 Gigabit full duplex connection to the CPU to all the ports except Ether1. The first port has its own Gigabit full duplex line to the CPU. That means – countless configurations with no bottlenecks!

The 2.4 GHz dual-chain wireless connectivity is also much stronger now. With Generation 6 (802.11ax) wireless, you get up to 90% higher speed in the 2.4 GHz spectrum — along with greater stability and responsiveness, even with multiple connected clients. The device comes with powerful external antennas, but if needed, you can connect your own via the RP-SMA connectors.

The new enclosure is a spectacular innovation on its own. It's the same form-factor you might have seen with our highly sought-after RB5009 devices. It has several extremely useful properties. First of all, the case acts as a massive heat-sink, protecting your setups from overheating. But here's the fun part: with a simple set of accessories, you can fit up to four of these routers in a single 1U rackmount space.



Here at MikroTik, we're the world champions of server room tetris. So here's our latest lifehack for the most efficient server rooms: grab an RB5009 with PoE-out ports. And mount it together with seven L009 routers in just two 1U rackmount spaces. You'll become a living legend among system administrators, setting a new example of efficient space management and simple, reliable powering. And if you don't need the wireless capability, you can cut costs even more and try the other version of this router: the L009UiGS-RM. It has all the same features – except for the 2.4 GHz wireless. And it comes with all the necessary mounting accessories.

RB2011 will always remain a networking legend, but it's time to take it up a notch. And the L009 product line is the perfect upgrade that will help you save time, money, and server room space like never before!

L009 is not just a router. It's a versatile network appliance that can assist you in so many ways.

Here are some neat container use-cases to explore with your brand new L009!

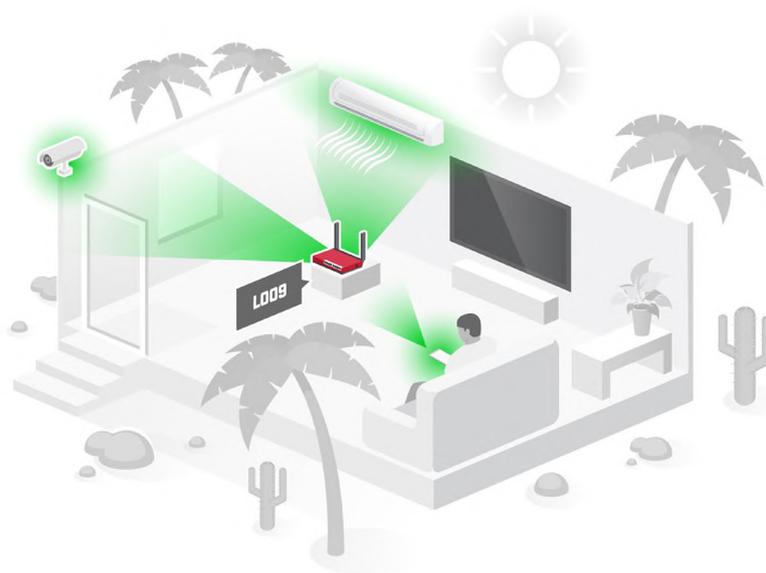
Block all unwanted ads with PiHole hosted on your L009!



Host your web blog or a simple website on your router – without any additional hardware!



L009 can host the HomeAssistant app, which allows monitoring your CCTV cameras, temperature sensors, and other devices to create the smart home ecosystem of your dreams!



You can even automate your home. For instance, wouldn't it be nice if the air conditioning turned on automatically when it gets too hot? With L009's container support that's an easy ride!

• Specifications

Product code	L009UiGS-2HaxD-IN
CPU	Dual-Core IPQ-5018 800 MHz
CPU architecture	ARM 64bit (RouterOS 32bit)
Size of RAM	512 MB
RAM type	DDR3L
Storage	128 MB, NAND
Number of 1G Ethernet ports	8
Number of 1G SFP ports	1 (2.5G supported)
USB port	1 (3.0 type A)
Serial console port	RJ45
Switch chip model	88E6190
Wireless interface model	IPQ-5018
Wireless	2.4 GHz 802.11b/g/n/ax dual-chain
Antenna gain	4 dBi
Antenna connector	RP-SMA female
Dimensions	220 x 125 x 22 mm
Operating system	RouterOS v7, License level 5
Operating temperature	-40°C to +70°C

• Powering

PoE-in	802.3af
PoE-Out*	Passive PoE
Max out per port output (DC input 24-30 V)	1 A
Max out per port output (DC input 30-56 V)	450 mA
Number of DC inputs	2 (PoE-in, DC jack)
PoE-in input Voltage	24-56 V
DC jack input Voltage	24-56 V
Max USB current	1.5 A
Power adapter nominal voltage	24 V
Power adapter nominal current	1.5 A
Max power consumption without attachments	12 W
Max power consumption	45W (with appropriate PSU)

* PoE-Out works only if powered by DC jack

• Included parts



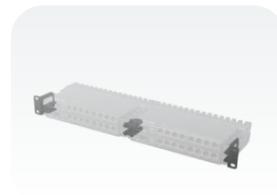
24 V 1.5 A
power adapter



HGO indoor
antenna kit



Fastening
set



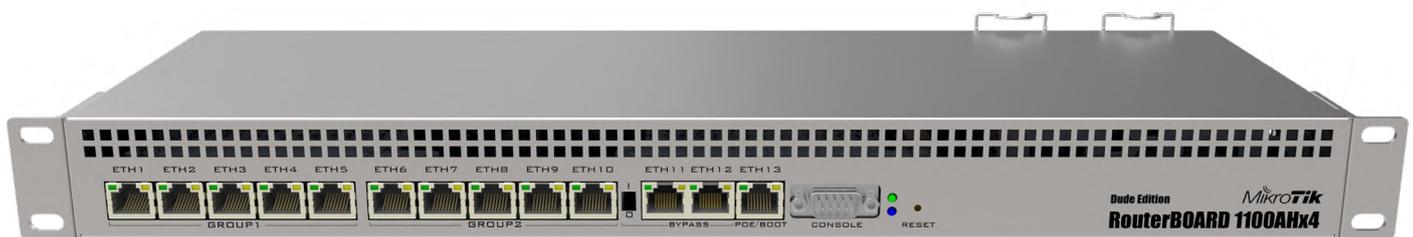
Rackmount
kit K-79

• Optional

RB1100AHx4 Dude edition

The new RB1100AHx4 Dude Edition uses a new quad core Cortex A15 chip from Annapurna labs, an Amazon company. The chip is clocked at 1.4 GHz, for a maximum throughput of up to 7.5 Gbit/s.

The unit features several high speed storage connectors (two SATA and two M.2) for using a Dude database, proxy cache or any other storage intensive feature. It includes a 60 GB M.2 drive and comes with Dude package already installed to work out-of-the box.



The RB1100AHx4 Dude Edition supports IPsec hardware acceleration and is faster at it than any previous RouterBOARD device.

The unit features two IEC failover power connectors, supports passive or 802.3at/af PoE input and has a DC telecom power connector for -48V DC powering. It uses passive cooling and is absolutely quiet.



Specifications

Product code	RB1100AHx4 Dude edition
CPU	AL21400, 4 cores, 1.4 GHz
Size of RAM	1 GB
Storage type	NAND
Storage size	128 MB + 60 GB m.2 SATA 3 drive included
10/100/1000 Ethernet ports	13
Ethernet bypass	Ethernet 11/12
Power jack	2x IEC. 100 V - 240 V
DC telecom power	20 V - 57 V (-48 V supported)
PoE input	Passive, 802.3at. 20 V - 57 V
Redundant power supply	Yes
Voltage monitor	Yes
PCB temperature monitor	Yes
Current monitor	Yes
Dimensions	443 x 148 x 44 mm
Operating temperature	-40°C .. +70°C tested
Operating system	RouterOS, level 6 license
Max Power consumption	25 W
microSD	1
SATA	2x 2.5 inch SATA 3
M.2 slots	2x SATA 3 compatible (supports 2242, 2260 and 2280 sizes, M-key)
Serial port	RS232
Beeper	Yes



RB5009 rackmount kit K-79

With this kit you can mount up to four RB5009UG+S+IN routers in a single 1U rackmount space! No more server-room-Tetris, just pure productivity.



Access Point U6+



Mechanical

Dimensions	Ø160 x 33 mm (Ø6.3 x 1.3")
Weight	Without mount: 338 g (0.75 lb) With mount: 413 g (0.91 lb)
Enclosure materials	Top cover: polycarbonate Bottom cover: aluminum
Mount materials	ABS, SGCC steel

Hardware

Networking interface	(1) GbE RJ45 port	
Management interface	Ethernet	
Power method	PoE	
Supported voltage range	44-57V DC	
Max. power consumption	9W	
Max. TX power	2.4 GHz	23 dBm
	5 GHz	23 dBm
MIMO	2.4 GHz	2 x 2
	5 GHz	2 x 2
Throughput rate	2.4 GHz	573.5 Mbps
	5 GHz	2402 Mbps
Antenna gain	2.4 GHz	3 dBi
	5 GHz	5.4 dBi
LED	White/blue	
Button	Factory reset	
Mounting	Wall/ceiling (included)	
Operating temperature	-30 to 60° C (-22 to 140° F)	
Operating humidity	5 to 95% noncondensing	
Certifications	CE, FCC, IC	

Software

WiFi standards	802.11a/b/g WiFi 4/WiFi 5/WiFi 6
Wireless security	WPA-PSK, WPA-Enterprise (WPA/WPA2/WPA3)
BSSID	8 per radio
VLAN	802.1Q
Advanced QoS	Per-user rate limiting
Guest traffic isolation	Supported
Zero wait DFS	Not supported
Concurrent clients	300+

