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## 1U Dual or 10" rackmount kit RMK-2/10



\$ 9



RMK-2/10 allows installing two of the smaller MikroTik form-factor devices within traditional 19-inch racks, such as our neat and handy SR-10U!

Alternatively, you can **permanently** remove a part of the bracket to install a single 200 mm device into a classic 10-inch rack.



### Compatible with



CSS610-8G-2S+IN

CRS112-8G-4S-IN

CRS109-8G-1S-2HnD-IN

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

CRS112-8P-4S-IN

and other 200mm units!

# CRS504-4XQ-OUT

\$ 899



Affordable, compact, energy-efficient 100 Gbps networking anytime, ANYWHERE!  
The next step in upgrading existing 10 or 25 Gigabit outdoor networks.



WEATHERPROOF IP66 ENCLOSURE



4X 100 GIGABIT QSFP28 PORTS



MANAGEMENT & CONSOLE PORTS



BACKWARD COMPATIBLE WITH 40G, 25G, 10G, AND 1G CONNECTIONS



MULTIPLE POWERING OPTIONS:  
POE-IN, DC JACK, 2-PIN TERMINAL

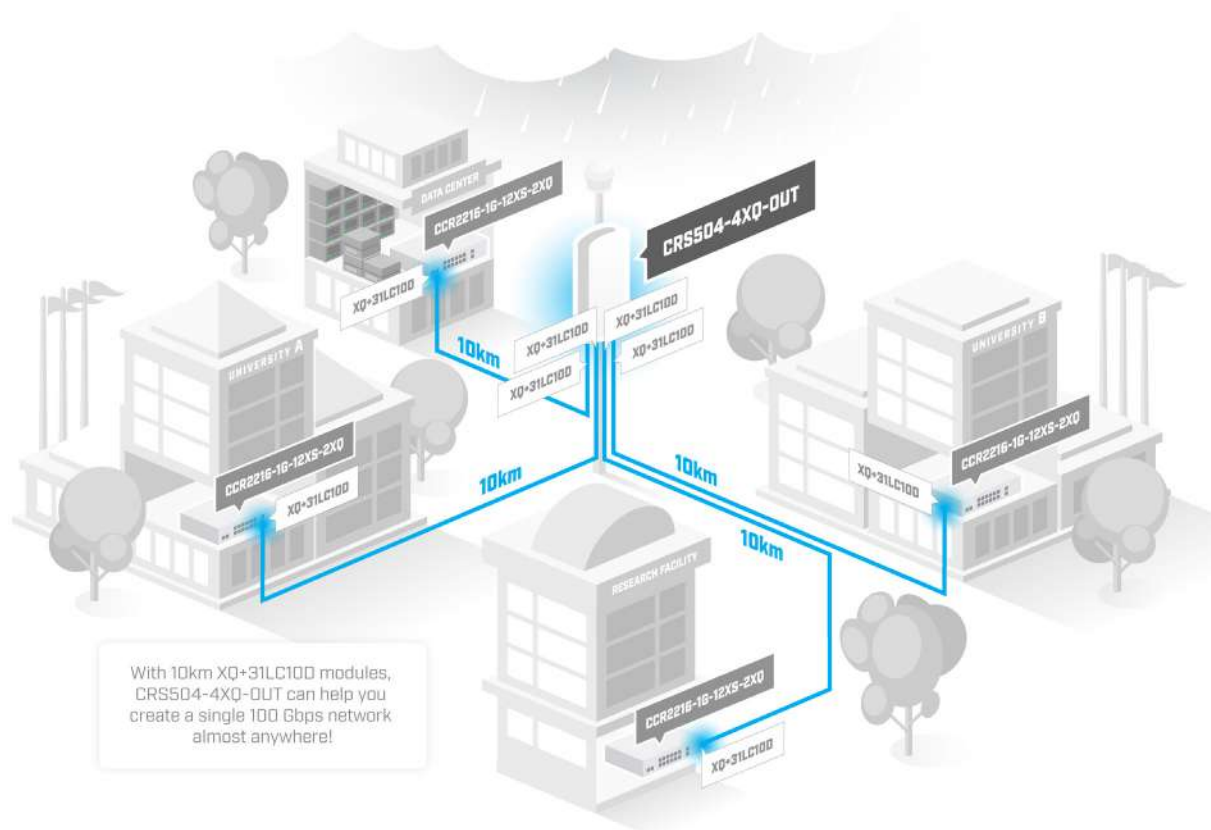
Should high-quality 100 Gigabit connectivity be limited to indoors only? Definitely not! That's why we created the **CRS504-4XQ-OUT**: a versatile, cost-effective, ultra-fast weatherproof switch for all your outdoor needs.



At the core of this masterpiece, we have an incredible **Marvell Prestera switch chip**. And there are **four 100 Gigabit QSFP28 ports**. Use them to connect other 100 Gigabit devices or grab a breakout cable to connect multiple 25 Gigabit devices. Here's where the speedy switch chip really shines: each port is connected to four 25 Gigabit lines. That means you're getting up to 16 high-speed fiber interfaces from a single outdoor switch! You can mix and match all kinds of connections this way: 100 Gigabits on one port, 40 Gigabits on the other, 4x25 Gigabits on the third, and maybe even some 10G or 1G cables on the fourth. And all this versatility comes in a sturdy, weatherproof IP66-rated enclosure. This rating proves it's strong enough to handle powerful water jets from any direction!



When it comes to outdoor event planning, you can never be too prepared. So having **multiple powering options** is a must! And CRS504-4XQ-OUT has got you covered: there's a standard **DC jack**, a **2-pin terminal**, and 802.3bt **PoE-in**. We've also kept the good old **management and console ports** – to help you deal with any unexpected situations.



Performance-wise, **CRS504-4XQ-OUT** is a real workhorse that can handle **VLANs, ACL, MLAG, Jumbo frames**, and so much more – even some **L3 hardware offloading!** The mighty Marvell Prestera switch chip dominates most tasks without blowing the **power consumption** up – only up to **25W** (without attachments).

*Stop waiting for  
the perfect weather –  
invest in the perfect tools!*



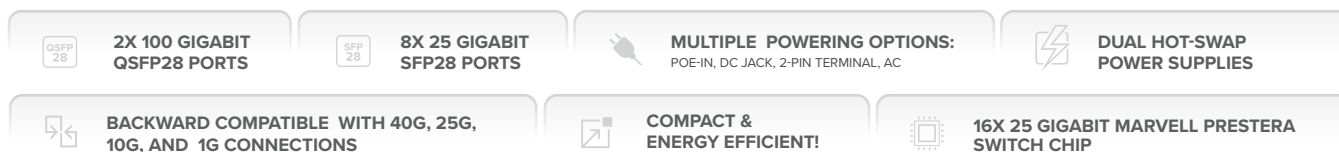


# CRS510-8XS-2XQ-IN

\$ 999



A versatile 100 Gigabit switch that offers speed, value, and diverse connectivity options. It's time to upgrade your 10 or 25 Gigabit network!



Remember our sensational 100 Gigabit switches – the CRS504 and CRS518? It's time for another breathtaking addition to the **MikroTik 100 Gigabit product family**: the versatile CRS510-8XS-2XQ-IN!



This handy switch has **two 100 Gigabit QSFP28 ports** and **eight 25 Gigabit SFP28 ports**. This combination of ports guarantees a perfect fit in almost any setup or server room. Various direct attach cables, active optical cables, copper RJ45's... **CRS510 will keep everything connected!** You'll save time, money, and precious nerve cells with the **backward compatibility**. This unit supports all sorts of devices – 40 Gigabit, 25 Gigabit, 10 Gigabit, and even older Gigabit connections. And – speaking of nerve cells – we've kept the sysadmin's emergency tool: the good old **console port**.

Another reason why we love the new CRS510 (and you will too!) is the performance. It can handle **VLANs, ACL, MLAG, Jumbo frames**, and so much more – even some **L3 hardware offloading!** The mighty Marvell Prestera switch chip dominates most tasks without blowing the **power consumption** up – only up to **27W** (without attachments).

*And when it comes to powering – CRS510 is a real joy to work with. It has dual hot-swap power supplies and three other powering options: PoE-in, DC jack, and a 2-pin terminal. No more unnecessary downtimes!*

# LtAP LTE6 kit takes the "A" train

Oscar Wilde once wrote: "I never travel without my diary. One should always have something sensational to read on the train."

Nowadays, we all have something sensational at our fingertips constantly – if there's Wi-Fi, there's definitely something to read on the Internet. The most popular regional railroad in Austria – The Wiener Lokalbahn – is no exception. People want to stay connected. Here's how our friends from [Netzware Handels- und IT-Dienstleistungs GmbH](#) transformed the Wiener Lokalbahn to satisfy this demand:

"Up to 35,000 passengers a day use the Wiener Lokalbahn for their journey to work, to their place of training, or in their leisure time. To make this journey even more attractive, Wiener Lokalbahnen tested the offer of free WLAN in four selected railcars from March 2016.



*Technical equipment for the trains included LtAP LTE6 kits and R11e-2HnD interfaces, while stations were equipped with mANTBox 52 15s base stations.*

Following the successful completion of the test phase, the project was launched in 2017. Since then, the train fleet has been successfully expanded to 30 trains and 8 stops. Passenger feedback has been very positive. Tests showed that the MikroTik components are highly available and perfectly suited for this purpose."



# Even more #MikroTips and tricks





# Spotted In The Wild

We want to see YOUR setups! Send them over to [marketing@mikrotik.com](mailto:marketing@mikrotik.com), get featured in our videos and win MikroTik Merch store coupons!

More information in the video below.



## MTU Podcast: ep. 2 (MikroTik celebrity - Kevin Myers)

MikroTik Universe or Meġis Talks to Users is back with the one and only Kevin Myers!

You can search far and wide, you won't find a lot of guys who have a fraction of Kevin's knowledge and experience. We also have an audio version of the podcast: perfect for the gym, a nice walk in the park, getting your chores done or just relaxing with an ice pack for your eyes. Enjoy!



Here you can download all the visuals used in this newsletter

