

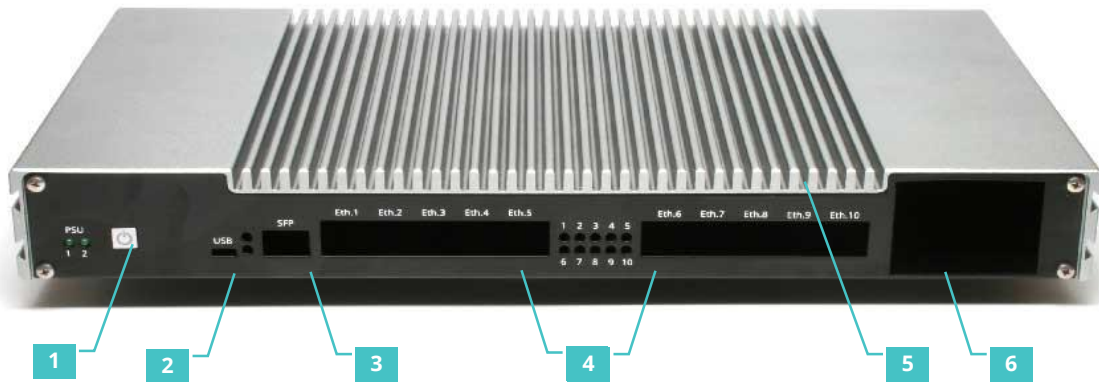
# ENC-RB2011 Enclosure

Enterprise-grade features  
for a Mikrotik RB2011

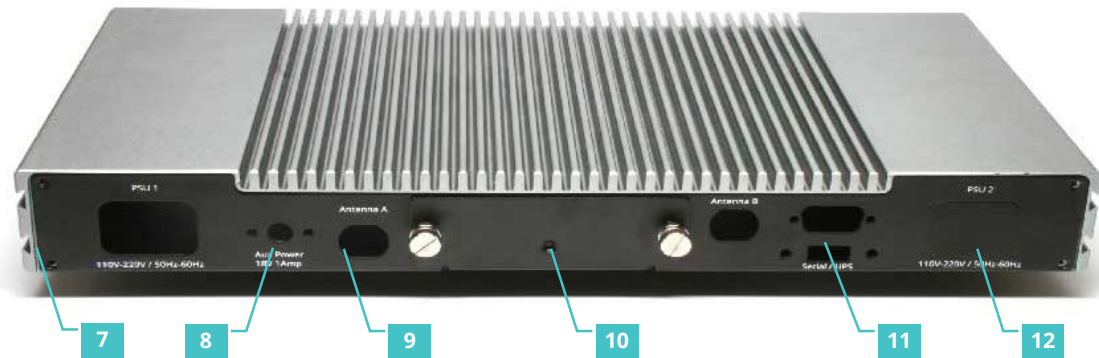


# Enclosure ENC-RB2011

Professional desktop indoor enclosure for Mikrotik RouterBoard RB2011 with integrated single or dual power supplies, UPS and removable battery, and optional rails for rack or wall mounting



- |                                    |   |
|------------------------------------|---|
| 1. UPS & Power management          | 7. Sliding rails for rack or wall mount |
| 2. 3G/LTE backup (USB or build-in) | 8. Power for external modem             |
| 3. Fiber (SFP) port                | 9. Extendable Wi-Fi 802.11 b/g/n        |
| 4. 1Gb and 100Mb ports             | 10. Removable tray with UPS battery     |
| 5. Thermal efficient design        | 11. Serial/Console management           |
| 6. Opening for Touch screen LCD    | 12. Optional Backup Power Supply        |



MacroTICK Enclosures are not just a great looking metal case. They come with preinstalled primary Power Supply, Power Management Board with UPS and Battery inside removable tray. Secondary power supply is not included, but can be added if requested. Custom cables with eternal ports will be mounted, except Wi-Fi pigtailed and antennas that are available as add-on accessory.



# FEATURES

Macrotick provides the latest in routing and networking technology with enterprise grade elements not found in any other traditional solutions.



## UPS and Power Management

ENC-RB2011 incorporates an integrated power supply and micro UPS, with **optional backup power supply**. Output voltage from the primary power supply is monitored and filtered to prevent router restarts due to power surges. The failover to UPS or backup power supply is achieved in less than 30ms. The **built-in UPS** notifies the board to perform a backup and a graceful shutdown. Based on the router configuration, internal **battery** can provide power for up to 2 hours. Furthermore, the ENC-RB2011 offers an **AUXILLIARY output power** port from the UPS with the ability to power an external broadband modem to minimize the effects of any potential connectivity loss due to power outage.



## Case Build

ENC-RB2011 enclosure is made of extruded and machined **aluminum top and steel bottom**, immediately creating an impression of confidence and reliability. It has a distinguished look with a **heatsink enhanced top** that incorporates fins to provide cooling even when placed between two rack servers. Dimensions of the case are 350x200x45mm, and they were carefully chosen to be large enough to support a **variety of boards** with consistent look and reliability, but not too large for desktop deployment



## Deployment flexibility

ENC-RB2011 enclosure is design to accommodate any type of deployment. **High rubber feet** are optimized for desktop deployment and to allow cables to pass below the router. Macrotick designed a proprietary universal sliding rails system for either **wall or rack mounting**, leaving the cables accessible and the **LCD screen** visible at all times (if included with a board). Enclosure can be locked in virtually **any position** (for example: positioned to avoid the rack doors pressing the cables). Ones rails are mounted, enclosure can be installed or removed without screwdrivers or any other tooling. Rails are optional and available as an add-on accessory.



## Routerboard RB2011 enhancements

ENC-RB2011 brings the following features to Mikrotik RB2011 routerboard

- Case front has cut outs for the LCD screen. Case without cutout for LCD screen is considered a special order.
- Front with expose all interfaces on RB2011 board – 10 Ethernet ports, SFP and USB port, including all integrated LED's
- Macrotick UPS on Power Management board has 2x LED's with power supply status and multifunctional Power Switch integrated LED. Power switch integrated LED indicates the following states:
  - OFF – board is powered off and power is not connected
  - Gradual ON/OFF - board is on stand by and power is connected
  - Solid ON – board is powered ON using power supplies
  - Slow flashing ON/OFF – case lost primary (or secondary, if provided) power feed. This case is accompanied with audible signal that can be muted with a short press on power button.
- Battery has 2 cells and is located inside removable tray, accessible from the back of the case. It is hot-swappable (meaning you do not need to power off router to replace the battery)
- The back of the case has 2 antenna holes for Wi-Fi N Female Bulkhead 8" Pigtail. It is not provided with the case, but is available as an accessory, including a 2.4GHz Omnidirectional Swivel Antenna (3, 5 or 7 dBi) and extension cables with magnetic base.
- Primary integrated power supply is included with ENC-RB2011
- Backup/secondary power supply is available as an accessory, and can be added to a new or an existing ENC-RB2011 (by removing a cut-out for the 2nd PSU).
- Default case is a desktop case with rubber feet included for ideal height to allow cables to pass under. The case can be easily mounted in a rack OR on a wall using our proprietary universal sliding rails.
- Macrotick's primary color options are Black top with Gray metallic top. White bottom and Black top might be available in limited quantities. (Please contact your distributor for availability.)
- Both top and bottom can be customized with custom colors, considered to be a special order.
- In addition to case colors, ENC-RB2011 can be ordered without Macrotick logo, allowing further branding options to service providers and system integrators.

# Accessories



## Sliding Rails

Universal sliding rails and cable rings for rack and wall deployments



## Magnetic Mount

WiFi Antenna extension cable connector with magnetic base ideal for rack deployment



## 3dBi WiFi Antenna

Extended gain 3dBi antennas with a better coverage than standard RB2011 antenna's



## 7dBi WiFi Antenna

High gain 7dBi antennas to extend WiFi coverage even further



## Cables tray

Reversible tray for easy and effective cable management in rack deployments



## Aux power cable

DC power cable for external devices (i.e. DSL or Cable modem) powered by ER2011



## Replacement battery

2 cell battery for integrated UPS in ER2011 or AR2011 (located in the removable tray)



## Internal PSU

Secondary (or replacement) internal power supply for ER2011 and AR2011 units



## AC power cable

Additional AC cable for units with dual power supplies (only one cable is included)

# Why Macrotick

Macrotick's disruptive solutions provide optimized network performance and security for the next generation of communications systems and applications. Our products and services offer enterprise grade, end to end capabilities of unparalleled value. We are committed to innovation and cost effectively incorporating the latest, emerging technologies in all our solutions.

Our solutions are a result of over 20 years of hardware, software and IT services experience, deep understanding of modern business requirements, and relentless out-of-the-box thinking. By integrating hardware, software, cloud services and applications we have developed unique technical solutions that go far beyond simple networking and address even the most complex business challenges.



In all our solutions we have decoupled support and hardware to allow our customers to benefit from an extremely feature rich hardware and affordable prices while leveraging in-house IT expertise. But if required, support can be outsourced to Macrotick and our partners.

## Support and Training

Our team is present in North America and Europe to offer 24x7 expert support globally. With a full suite of support and training services, we can meet the specific needs of your organization.

## Maintenance

Our global presence coupled with extensive partner network of distributors, enables timely resolution of hardware issues. Local channels enable us to offer a diverse set of cost effective maintenance solutions.

## Network

Redundant and geographically diverse data centers enable high availability for our cloud services, while established partnerships with diverse telecom providers ensure lower cost of the overall solution.