

## Specifications

### Details

|                            |                                    |
|----------------------------|------------------------------------|
| Product code               | RB941-2nD                          |
| Architecture               | SMIPS                              |
| CPU                        | QCA9533                            |
| CPU core count             | 1                                  |
| CPU nominal frequency      | 650 MHz                            |
| RouterOS license           | 4                                  |
| Operating System           | <a href="#">RouterOS</a>           |
| Size of RAM                | 32 MB                              |
| Storage size               | 16 MB                              |
| Storage type               | FLASH                              |
| MTBF                       | Approximately 100'000 hours at 25C |
| Tested ambient temperature | -20°C to 60°C                      |

## Wireless capabilities

### Details

|                                   |             |
|-----------------------------------|-------------|
| Wireless 2.4 GHz Max data rate    | 300 Mbit/s  |
| Wireless 2.4 GHz number of chains | 2           |
| Wireless 2.4 GHz standards        | 802.11b/g/n |
| Antenna gain dBi for 2.4 GHz      | 1.5         |
| Wireless 2.4 GHz chip model       | QCA9533     |
| Wireless 2.4 GHz generation       | Wi-Fi 4     |

## Ethernet

### Details

|                       |   |
|-----------------------|---|
| 10/100 Ethernet ports | 4 |
|-----------------------|---|

## Powering

### Details

|                        |              |
|------------------------|--------------|
| MicroUSB input Voltage | 5-5 V        |
| Number of DC inputs    | 1 (MicroUSB) |
| Max power consumption  | 3.5 W        |
| Cooling type           | Passive      |

## Certification & Approvals

### Details

|               |         |
|---------------|---------|
| Certification | FCC, IC |
|---------------|---------|

## Wireless specifications

| 2.4 GHz  | Transmit (dBm) | Receive Sensitivity |
|----------|----------------|---------------------|
| 1MBit/s  | 22             | -96                 |
| 11MBit/s | 22             | -89                 |
| 6MBit/s  | 20             | -93                 |
| 54MBit/s | 18             | -74                 |
| MCS0     | 20             | -93                 |
| MCS7     | 16             | -71                 |