mANTBox 52 15s

A dual-band 2.4/5 GHz base station with a powerful
built-in sector antenna, PoE support, Gigabit Ethernet and SFP.

One powerful package for all your outdoor network needs,
perfect for camps, stadiums and parks!

Strong dual-chain dual-band
2.4/5 GHz Wireless

Gigabit Ethernet

SFP for fiber connectivity

iOS/Android app for quick
and easy configuration

Quad-core CPU

Powerful built-in dual
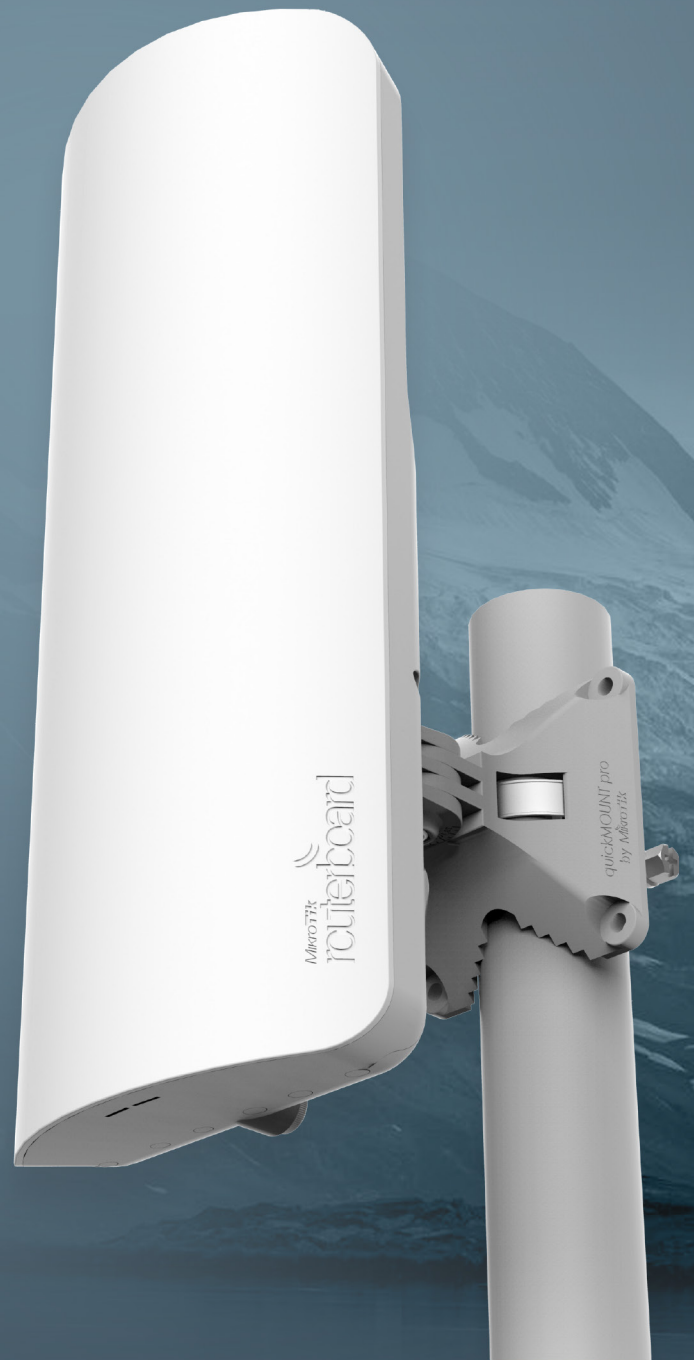polarization antenna

802.3af/at PoE-in

Distance up to
20 km

IPsec hardware
offloading

Extreme versatility with
the powerful RouterOS

Are you managing an outdoor wireless network with a variety of access points and CPE devices? Then our brand new mANTBox 52 15s has got you covered – offering powerful built-in antennas, fascinating connectivity options and more!

Creating an efficient point-to-multipoint connection used to be tricky, but not anymore: mANTBox 52 15s works well in any setup. The dual-band wireless capability allows you to use both 2.4 GHz and 5 GHz devices at the same time. There is a Gigabit Ethernet port and an SFP port for fiber connections.

SFP port   Gigabit Ethernet
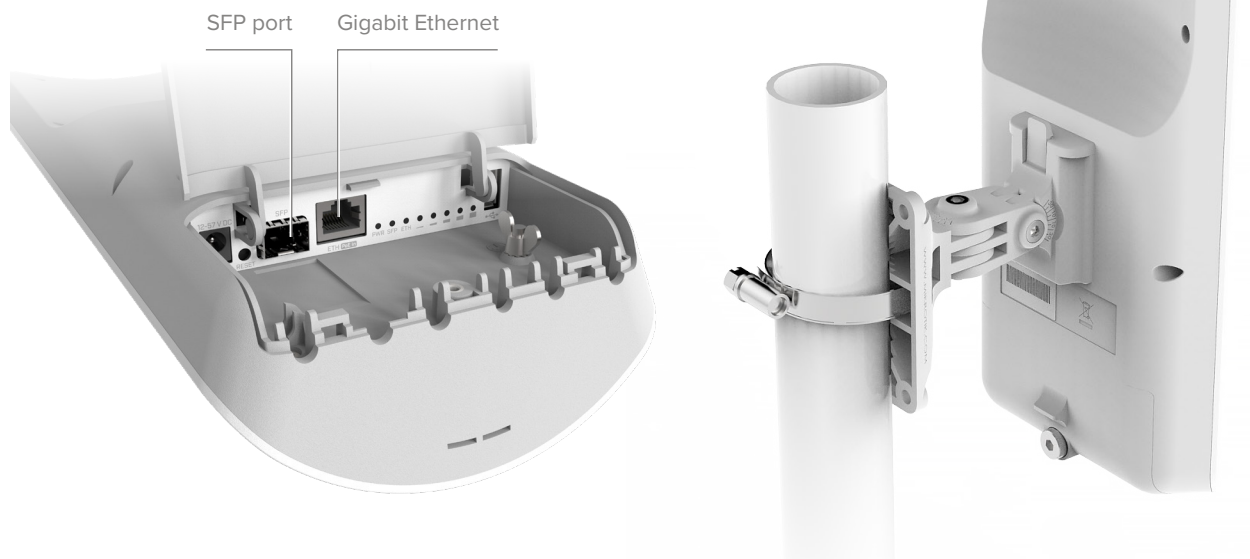
With mANTBox 52 15s you don't have to worry about power options – it supports 802.3af/at PoE-in. There is a Gigabit PoE injector and a standard DC power adapter included.

We have doubled the RAM and added a new quad-core CPU that can handle even the heaviest loads. mANTBox 52 15s can even provide IPsec hardware offloading without trouble. Depending on the rest of your setup, you can reach distance up to 20 km with the built-in dual polarization antenna.

You can't go wrong with the mANTBox 52 15s – it is fast, powerful and easy to use in any P2MP setup!

mANTBox package includes everything you need: a Gigabit PoE injector, a power supply, a hose clamp and a fastening set, and the MikroTik quickMOUNT pro. This advanced wall mount adapter allows turning antenna within 140° both horizontally and vertically. With the quickMOUNT pro it is possible to perfectly set antenna alignment using an integrated graduated scale.
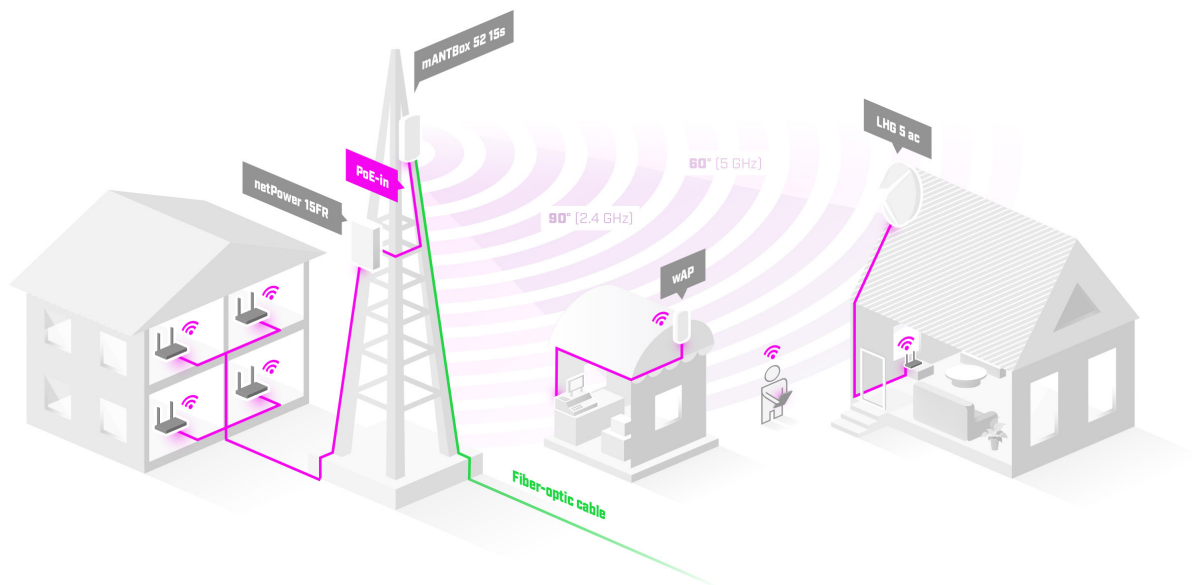
RouterOS – extreme versatility

Run a secure VPN from the office directly to your home, enable parental control, Quality of Service (traffic prioritization for certain needs, such as streaming), specific firewall rules, IPsec hardware acceleration, VLAN, DHCP, e-mail or SMS notifications, and so on. With RouterOS scripting you can automate a lot:

- modify queues based on bandwidth usage;
- complex trigger notifications, such as "Your bandwidth has reached X for Y minutes!"
- backups and setup of additional devices, and so much more!

If you can imagine it – RouterOS can achieve it. You can even install RouterOS on a PC or a virtual machine for even more networking experiments!

We also include a free handy tool for centralized management of all your wireless MikroTik devices – the CAPsMAN. Unlike traditional controller software, CAPsMAN doesn't require a separate device to run, it can use any existing RouterOS device in your network.

We have been making our own software since 1996. With each new version our priority remained the same: to provide users with the freedom to explore different setups and always have the right tools for the job. Without unnecessary paywalls.

Specifications

Product code	RBD22UGS-5HPacD2HnD-15S
CPU	4 core IPQ-4019 716 MHz
Size of RAM	256 MB
Storage	16 MB flash
Number of 1GbE ports	1
Number of 1G SFP ports	1
Wireless	2.4 GHz 802.11b/g/n dual-chain, 5 GHz 802.11a/n/ac dual-chain
Wireless regulations	Specific frequency range can be limited by country regulations
PCB temparature monitor	Yes
Voltage monitor	Yes
USB port	USB type A
Operating system	RouterOS, License level 4
Antenna gain	12 dBi (2.4 GHz), 15 dBi (5 GHz)
Antenna beam width	90° (2.4 GHz), 60° (5 GHz)
Polarization	Vertical and horizontal
Tested ambient temperature	-40°C to +70°C
Max power consumption without attachments	15 W
Max power consumption	21 W
Dimensions	140 x 348 x 82 mm

Powering

PoE-in	802.3af/at
PoE-in input voltage	12-57 V
Number of DC inputs	2 (PoE-in, DC jack)
DC jack input voltage	12-57 V
Power adapter nominal voltage	48 V
Power adapter nominal current	0.95 A

Certification & Approvals

Certification	CE, FCC, IC, IP

Included parts

48 V 0.95 A power adapter	K-41 fastening set	PoE injector	Hose clamp	quickMOUNT pro

Wireless specifications

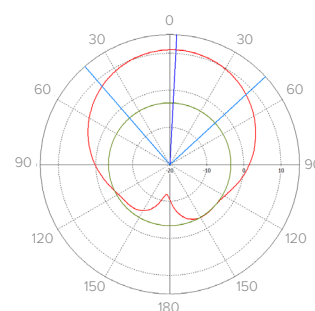| Rate (2.4 GHz)	Tx (dBm)	Rx (dBm)	Rate (5 GHz)	Tx (dBm)	Rx (dBm)
1MBit/s	30	-100	6MBit/s	30	-96
11MBit/s	30	-94	54MBit/s	27	-80
6MBit/s	30	-96	MCS0	30	-96
54MBit/s	27	-80	MCS7	26	-75
MCS0	30	-96	MCS9	23	-72
MCS7	26	-75			

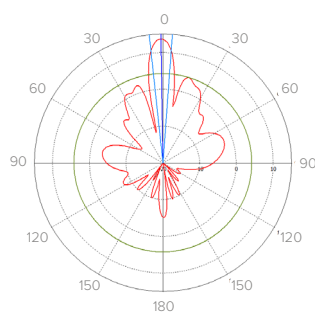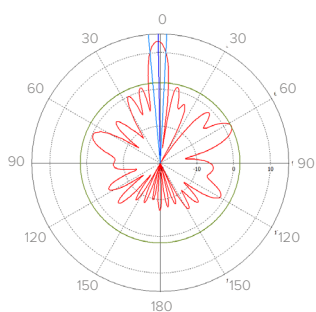## Antenna patterns 2.4 GHz
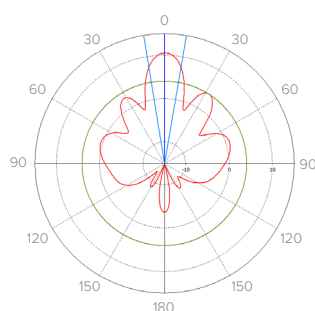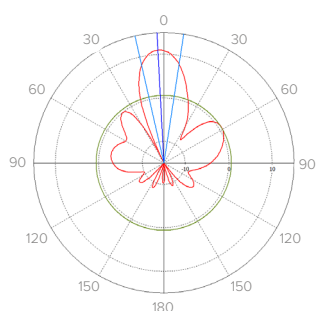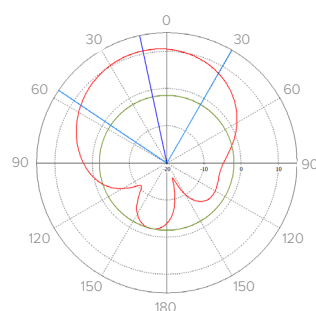
HP elevation   VP elevation   HP azimuth   VP azimuth
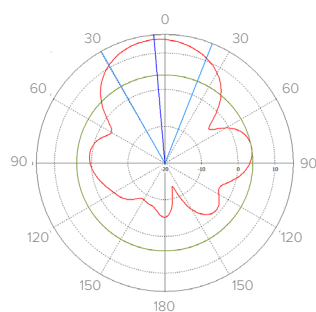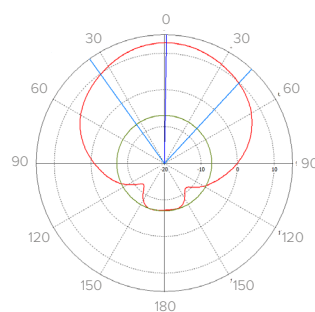
Antenna patterns 5 GHz

HP elevation   VP elevation   HP azimuth   VP azimuth

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