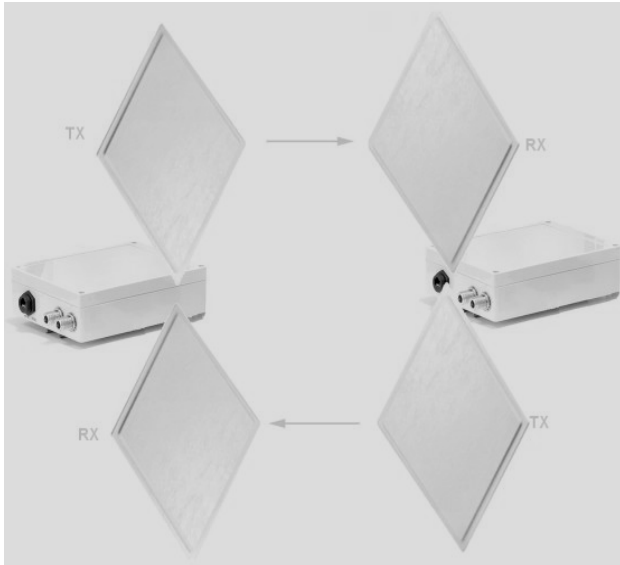


## 5 GHz Backbone- Dual Nstreme Kit



MikroTik RB/BCO 5GHz with fast RB/433AH's is ideal for a powerful full duplex 5GHz Backbone Point-to-Point link. With Dedicated wireless interfaces for both sending and receiving allows for synchronous data transfer and maximum throughput in both directions.

*Note: two RB/DCO units are required to make a complete point to point link*

### Includes

- 2 X 22dBi Panel antennas with LMR400 Cables
- Outdoor RouterBOARD 433AH
- RouterOS Level 4 software
- 2 X R52 802.11 a+b+g 65mW Wireless MiniPCI Card
- 18v power supply + PoE Injector

## RouterOS L4 Features

Router	VPN Concentrator
Firewall	DNS Server
Intrusion Detection	DHCP
Traffic Management	PPPoE
Traffic Shaping	PPTP
Traffic Graphing	L2TP
IPSec VPN encryption	NTP
Frequency scanner and alignment tools	SNMP
WEP/WPA/WPA2 TKIP/AES wireless encryption	Dynamic Routing

## R52 Wireless Card Specifications

<b>Chipset</b>	Atheros AR5414
<b>Supported Frequency Range</b>	5 GHz Band; 4.920 – 6.100 (5 MHz step)
<b>Security:</b>	Hardware TKIP and AES-CCM encryption; 802.1x WPA authentication Hardware 64 and 128 bit WEP
<b>RF Modulation</b>	802.11a: OFDM data rate >30Mbps
<b>Power Requirements</b>	3.3V +/- 10% DC; 400mA max (300mA typ.)
<b>Form Factor</b>	Mini-PCI form factor; Mini-PCI Version 1.0 type 3B /MiniPCI Type IIIB
<b>Output Power</b>	5GHz (802.11a) 17dBm @ 6Mb/s 5GHz (802.11a) 13dBm @ 54Mb/s
<b>Receive Sensitivity</b>	5GHz (802.11a) -88dBm @ 6Mb/s 5GHz (802.11a) -71dBm @54Mb/s
<b>Transfer Data Rate</b>	802.11a(Normal mode):54,48,36,24,18,12,9,6 Mbps, auto-fallback 802.11a(Turbo mode):108,96,72,48,36,24,18,12 Mbps, auto-fallback
<b>Approval</b>	FCC CE

## Panel Antenna Specifications

<b>Antenna Gain</b>	22dBi
<b>Antennas Frequency</b>	5.1 – 5.8 GHz
<b>Dimensions</b>	300mm X 300mm X 20mm
<b>Weight</b>	1.0Kg
<b>Bracket</b>	Tip and tilt suitable for 50mm – 75mm pole N
<b>Connector</b>	Type Male

(16W output to extension cards)

## RouterBoard 433AH Specifications

<b>CPU</b>	Atheros AR7130 680MHz network processor
<b>Memory</b>	128MB DDR SDRAM onboard memory
<b>Boot loader</b>	RouterBOOT
<b>Data storage</b>	64MB onboard NAND memory chip
<b>Ethernet</b>	Three 10/100 Mbit/s Fast Ethernet ports supporting Auto-MDI/X
<b>MiniPCI slot</b>	Three MiniPCI Type IIIA/IIIB slots
<b>Serial port</b>	One DB9 RS232C asynchronous serial port
<b>LEDs</b>	Power LED, NAND (Disk Activity) LED and 5x User LEDs
<b>Beeper</b>	Present
<b>Power over Ethernet</b>	12..28V DC (except power over data lines) Voltage sensor
<b>Power jack</b>	12..28V DC Voltage sensor
<b>Fan Control</b>	Fan control Two DC fan power output headers with rotation sensor and automatic fan switching (maximum output current - 500mA total)
<b>Dimensions</b>	10.5 cm x 15 cm (4.13 in x 5.91 in)
<b>Weight</b>	137 grams
<b>Temperature Operational</b>	-20°C to +65°C (-4°F to 149°F)
<b>Humidity Operational</b>	up to 70% relative humidity (non-condensing)
<b>Power consumption</b>	~3W without extension cards, maximum – 25W