

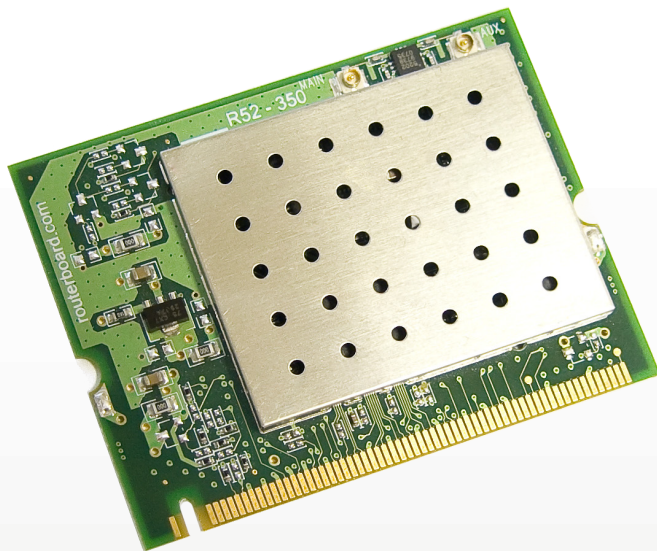
R52H

802.11a+b+g miniPCI card for multiband high speed applications, with up to 350mW output power. It works on 2.192-2.539 and 4.920-6.100GHz frequency range (in RouterOS only) and supports Turbo mode for faster transfers. The card performs best when coupled with MikroTik RouterOS.

- Turbo, 802.11a, 802.11b and 802.11g IN ONE
- Operates in either 2.4GHz or 5GHz wireless bands

| | |
|---------------|---|
| IEEE 802.11a: | 24dBm / -90dBm @ 6Mbps 19dBm / -70dBm @ 54Mbps |
| IEEE 802.11b: | 25dBm / -92dBm @ 1Mbps 25dBm / -87dBm @ 11Mbps |
| IEEE 802.11g: | 25dBm / -90dBm @ 6Mbps 20dBm / -70dBm @ 54Mbps |

| Specifications | |
|------------------|---|
| Chipset | AR5414 |
| Frequency range | 2.192-2.539MHz 4920-6100Mhz |
| Standards | IEEE802.11a, IEEE802.11b, IEEE802.11g |
| Max output power | 25dBm |
| Format | miniPCI |
| Dimensions | 6.0cm x 4.5 cm |
| Connectors | 2x uFI |
| Temperature | Operating -20C to +70C |
| Powering | 3.3V +/- 10% DC; 800mA max (600mA typ.) |
| OS | RouterOS all versions. <i>Windows via 3rd party drivers (not full frequency range)</i> |



Antena Grilla Parabólica 2.4 GHz 24dBi

W24-24G es un sistema de antena direccional, la cual incorpora un reflector de antena de tipo rejilla parabólica de 2-piezas fundidas en aluminio con un dipolo pasivo alimentado por 50 ohm patentados. El dipolo se presenta con un conector pigtail N type Female de 24". La instalación es simple con el soporte resistente ajustable a la inclinación. El soporte acomoda los postes de 1" a 2.5" OD. Los soportes están totalmente galvanizados, lo que permite protegerlo de la extrema corrosión y cada reflector está hecho de acero inoxidable e instrucciones completas de su ensamblaje.



Características:

- ✦ Viene en tamaño pequeño para un bajo costo de envío (shipping)
- ✦ 50 Ω de Alimentación del dipolo pasivo
- ✦ 24 dBi de ganancia; Polaridad Horizontal o Vertical
- ✦ Robusto, ligero e impermeable
- ✦ Bracket resistente ajustable
- ✦ 2-Piezas bañadas con un recubrimiento protector de aluminio fundido

Aplicaciones:

- ✦ Aplicaciones de Banda ISM de 2.4 GHz
- ✦ Acceso Inalámbrico a Internet
- ✦ Backhuls Punto a Punto y Repetidores
- ✦ Video Streaming

Especificaciones:

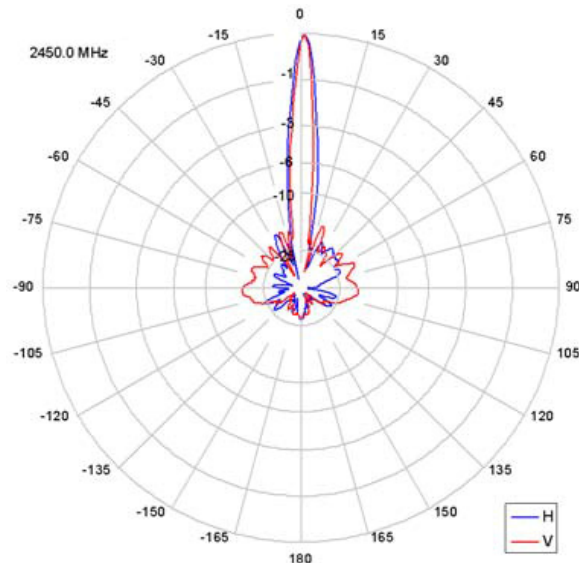
Eléctricas

| | |
|------------------------------|-----------------------|
| Ganancia | 24 dBi |
| Frecuencia | 2400 - 2485MHz |
| Pérdida de Retorno | -14dB |
| VSWR | 1.5:1 |
| Ángulo del Haz de 3dB | 8 ° |
| Mástil Cruzado | 26dB |
| Front to Back | 24 dB |
| Lóbulo Lateral | -20dB |
| Impedancia | 50 OHM |
| Potencia de Entrada | 100 Watts |
| Polarización | Vertical u Horizontal |

Mecánicas

| | |
|---------------------------------|---|
| Dimensiones (WxL) | 42 (107) x 24 (61) Inch (cm) |
| Peso | 5.5 (2) Lbs (Kgs) |
| Diámetro del Mástil (OD) | Min. 1 (25) Max. 2 (50) Inch (mm) |
| Resistencia al Viento | 100 mph, 96 (36) Lbs (Kgs) 140 mph, 188 (70) Lbs (Kgs) |
| Temperatura de Operación | -40 a +70 deg C |
| Conector | N-Type (female) |

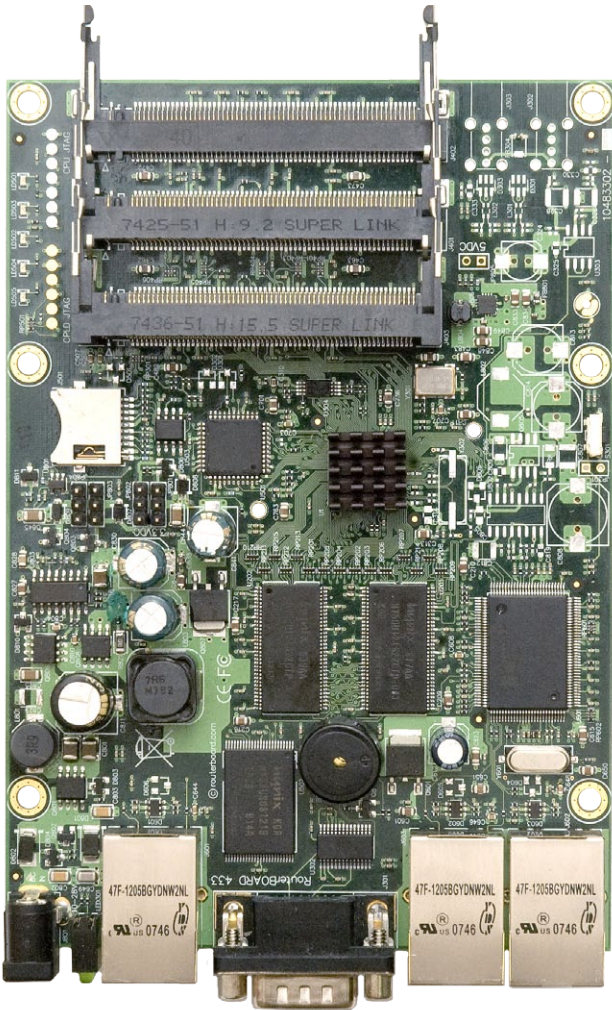
Patrón de Antena 2.4 GHz



Información para Pedidos:

- ✦ **W24-24G** 2.4GHz 24dBi Parabolic Grid Antenna (N Female Connector Pigtail)

RouterBOARD 433AH



The RB433AH is a more powerful version of the standard RB433. The 128MB DDR will be capable of supporting new RouterOS features coming. The microSD slot supports an additional memory card that can be used for a Dude database and other features.

The 680MHz Atheros MIPS 24K CPU with a 64KB/32KB instruction/data cache is probably the fastest CPU used in low cost wireless access points.

The three Ethernets and mpci slots give you ample data interfaces to put the big CPU power to work.

| | |
|-------------------|---|
| CPU | Atheros AR7161 680MHz network processor |
| Memory | 128MB DDR SDRAM onboard memory |
| Boot loader | RouterBOOT |
| Data storage | 64MB onboard NAND memory chip and microSD |
| Ethernet | Three 10/100 Mbit/s Ethernet ports with Auto-MDI/X |
| miniPCI | Three MiniPCI Type IIIA/IIIB slots |
| Extras | Reset switch, Beeper |
| Serial port | One DB9 RS232C asynchronous serial port |
| LEDs | Power, NAND activity, 5 user LEDs |
| Power options | Power over Ethernet: 10..28V DC (except power over datalines). Power jack: 10..28V DC. Voltage monitor. |
| Dimensions | 10.5 cm x 15 cm, 137 grams |
| Power consumption | ~3W without extension cards, maximum - 25 W, 16W output to cards |
| Operating System | MikroTik RouterOS v3, Level5 license |

2.4 GHz Flat Panel Antenna

Las antenas Flat Panel de 2.4GHz que brinda Netkrom, ofrecen alta ganancia en un discreto y delgado paquete. Las antenas están hechas a base de un plástico ABS resistente a las radiaciones UV de color gris con una placa posterior de aluminio. Además se pueden usar en Polarización Vertical u Horizontal. Los brackets de aluminio fundido proporcionan ángulos de inclinación de +/- 45° y su hardware de acero inoxidable asegura una larga vida útil. La antena puede ser montada sobre superficies planas o sobre mástiles y viene con un conector N Hembra.



Características:

- ▶ Alta ganancia / Modelo Discreto
- ▶ Montado sobre superficies o sobre mástil
- ▶ Robusto y Resistente a la Intemperie
- ▶ Polarización Vertical u Horizontal
- ▶ Conector Tipo N Hembra

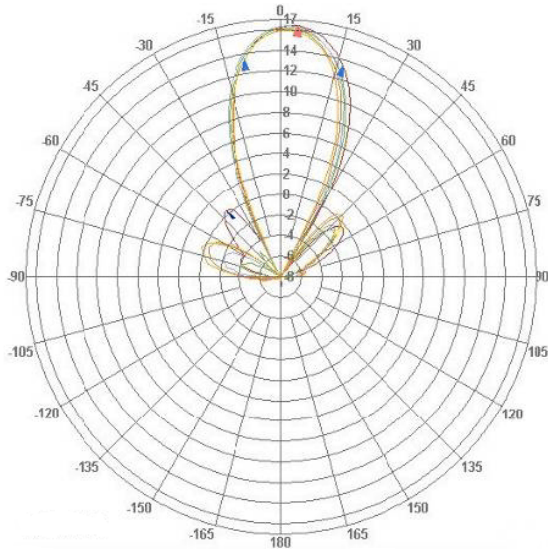
Aplicaciones:

- ▶ Aplicaciones Wireless LAN en 2.4GHz
- ▶ Antenas Cliente
- ▶ Aplicaciones en 802.11b/g
- ▶ Aplicaciones inalámbricas OEM

Especificaciones:

| Código del Producto | W24-16P |
|---------------------------------|---|
| Eléctricas | |
| Ganancia | 16 dBi |
| Input Frequency | 2400 a 2485 MHz |
| WSWR | 1.5:1 |
| Amplitud de rayo (H&V) | 26 ° |
| Cross Polarization | -20dB |
| Potencia de Entrada | 100 W |
| Impedancia | 50 ohms |
| Front to Back | 27 dB |
| Mecánicas | |
| Dimensiones (Dia x Profundidad) | 11" x 11" x 0.8" (279 x 279 x 20) In (mm) |
| Peso | 31.5 (0.9) oz (kg) |
| Temperatura de Operación | -40 a +70 ° C |
| Inclinación de Bracket | 45 ° |
| Conector | N Female |

Patrón de Antena 2.4GHz



W24-16P



W24-16P con Mástil



W24-16P Montura sobre Pared

Información para Pedidos:

- ▶ **W24-16P** 2.4GHz 16dBi Flat Panel Antenna (N Female Connector)

RB751U-2HnD

The RB751 is the wireless SOHO AP you have been waiting for.

It has five Ethernet ports, one USB 2.0 port and a high power 802.11b/g/n wireless AP with antennas built in.

It's also possible to connect an external MMCX antenna to replace one of the built in antennas.

The device is very small and will look good in any home or office, wall mounting anchor holes are provided.



| | |
|-------------------|--|
| Features | RB751U-2HnD (USB, 2GHz, 802.11n, dual chain) |
| CPU | Atheros AR7241 400MHz CPU |
| Memory | 32MB DDR SDRAM onboard memory |
| Data storage | 64MB onboard NAND storage chip |
| Ethernet | Five independent 10/100 Ethernet ports |
| LEDs | Power, NAND activity, 5 Ethernet LEDs, wireless activity LED |
| Power options | PoE: 8-30V DC on Ether1 (Non 802.3af). Jack: 8-30V DC |
| Dimensions | 113x138x29mm. Weight without packaging and cables: 230g |
| Power consumption | Up to 10W |
| Operating Temp | -20C .. +50C |
| Operating System | MikroTik RouterOS, Level4 license |
| Package contains | RouterBOARD in a plastic case, power adapter |

| | |
|----------------|---|
| Antennas | 2x2 MIMO PIF antennas, max gain 2.5dBi; external MMCX option |
| RX sensitivity | 802.11g: -96dBm @ 6Mbit/s to -81dBm @ 54Mbit/s 802.11n: -96 dBm @ MCS0 to -78 dBm @ MCS7 |
| TX power | 802.11g: 30dBm @ 6Mbps to 27dBm @ 54 Mbps 802.11n: 30dBm @ MCS0 to 26dBm @ MCS7 |
| Modulations | OFDM: BPSK, QPSK, 16 QAM, 64QAM DSSS: DBPSK, DQPSK, CCK |