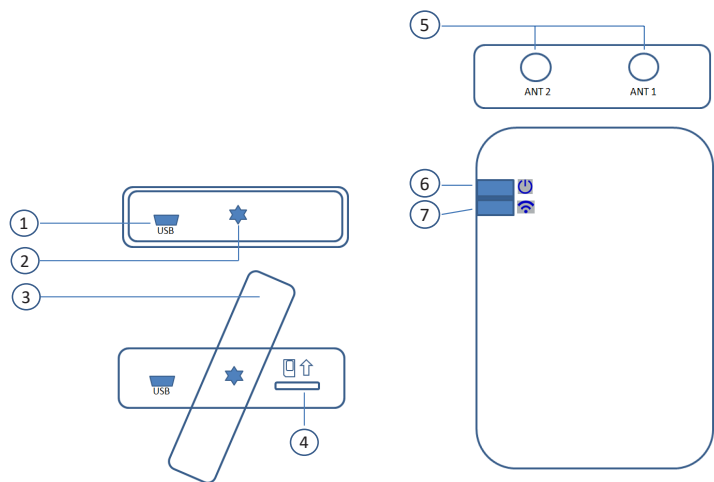# Barracuda 4G USB MODEM M40B - Quick Start Guide

Thank you for purchasing the Barracuda 4G USB modem for Barracuda CloudGen Firewall that conveniently provides support for wireless broadband communication technologies. The modem supports bandwidths up to 1.2 Gbps downstream and 150 Mbps upstream to provide a cost effective alternative to xDSL and ISDN uplinks or failover lines. **Note:** SIM card is not included and has to be obtained independently through your internet service provider.

Package Content:

- One USB Modem
- One USB Cable
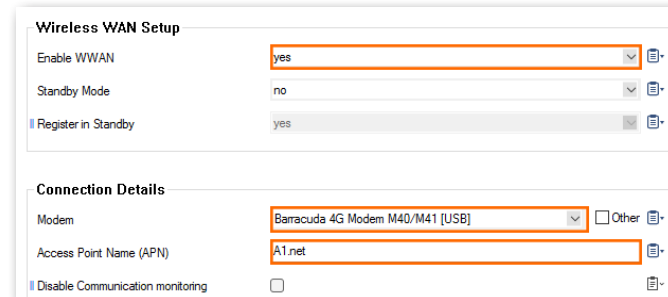- Two External Antennas
- Quick Start Guide

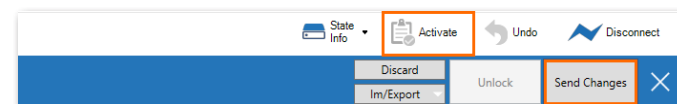Please contact Barracuda Technical Support if any of these items is missing.

1. USB Interface
2. Secure screw (Torx size T9)
3. Secure plate
4. SIM card location
5. SMA antenna interface
6. Power LED (Blue)
7. Network status LED (Green)

Getting Started

1. Open the secure plate with a T9 Torx screwdriver. Insert the micro SIM card as illustrated on the modem until it gets locked. To remove the micro SIM card, carefully press on the micro SIM card until it unlocks and slides out of the bay.

2. Connect the modem to a free USB port on your Barracuda CloudGen Firewall by using the included USB extension cable.

   Note: The firewall appliance needs to be powered off, as otherwise the modem driver will not be initialized.

3. Connect the external antennas to the ANT 1 and ANT 2 interfaces of the modem. The external antennas are equipped with a magnetic base thus allowing for convenient placement on racks or any other metal surfaces.

4. Deploy the modem with a standard cap rail.

5. Power on the Barracuda CloudGen Firewall and modify the WWAN network settings by navigating to Configuration > Network > Wireless WAN.

6. Set **Enable WWAN** to **Yes**.

7. Select the **Modem** type.

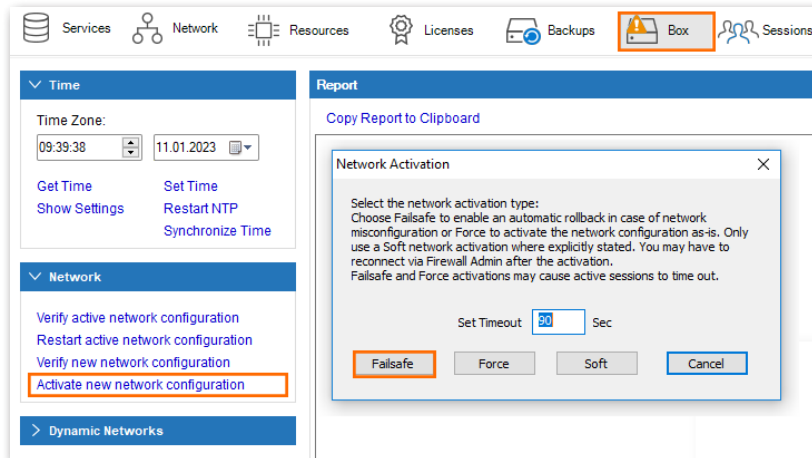8. Enter the **Access Point Name** of the provider (available from the provider).

9. Enter the **SIM PIN** number (if PIN needed).

10. Enter the **Phone Number** for dial-in (available from the provider).

11. To activate the configuration, click **Send Changes** followed by **Activate**.

12. Go to CONTROL > Box, expand the **Network** section and click Activate new network configuration. Click **Failsafe** in the appearing **Network Activation pop-up window.** Wait for the **Activation Succeeded** dialog, and then click **OK**.

> **Note:** Due to network activation you may lose connection to the appliance. Select **Reconnect** (upper right) to reconnect.

13. Navigate to CONTROL > Network and check the availability of the WWAN uplink (ppp5)

14. In order to restart, switch-off, or stop the WWAN connections, navigate to CONTROL > Box > Dynamic Networks.

For further details and product documentation, please visit: https://campus.barracuda.com

Specification	M40B
Frequencies (MHz)	• LTE FDD: B1, B3, B25(B2), B66(B4), B26(B5/B18/B19), B7, B8, B12(B17), B13, B14(FirstNet), B20, B28, B29, B30, B32, B7 • LTE TDD: B38, B39, B40, B41, B42, B43, B46, B48 (CBRS/OnGo) • 3G B1, B2, B4, B5(B19), B8, B9
WCDMA/HSDPA/HSUPA Power Class	GSM/GPRS (GMSK) Power Class • Power Class 4 (33 dBm) for GSM/E-GSM bands • Power Class 1 (30 dBm) for DCS/PCS bands EDGE (8-PSK) Power Class • Power Class E2 (27 dBm) for GSM/E-GSM bands • Power Class E2 (26 dBm) for DCS/PCS bands WCDMA/HSDPA/HSUPA Power Class • Power Class 3 (24 dBm) for UMTS/HSDPA/HSUPA mode LTE Power Class • Power Class 3 (23 dBm) for LTE mode
Data Rate	• Data only module • LTE Cat. 18 3GPP Rel. 12 - Up to 1.2 Gbps DL w/4x4 MIMO +3 CA • HSDPA Cat 24, HSUPA Cat 8
SIM Interface	3VDC 6 pin
Power Supply	5 VDC via USB Interface
USB Interface	Micro USB 2.0
Dimensions (LxWxH mm)	77 x 54.5 x 20.8
Net Weight (g)	150
Operation Temperature	-10°C to +60°C
Certifications	FCC / IC / CE / C-Tick FCC / IC, PTCRB 9 (North America) FCC Part 96 CBRS (USA) CE, GCF (Europe) AU IC-Tick (Australia)
Antenna	
Interface	SMA
Frequency Range (MHz)	824 - 960; 1710 - 2170
Input Impendence (Ohm)	50
Gain (dBi)	3.5
Polarization Type	Linear, Vertical
Radiation Direction	Omnidirectional
VSWR	<3.5
Length (mm)	111
Cable Length (mm)	1000