![Barracuda logo]

# Barracuda 4G USB MODEM M40/M41 - 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 150 Mbps downstream and 50 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 Networks Technical Support if any of these items is missing.
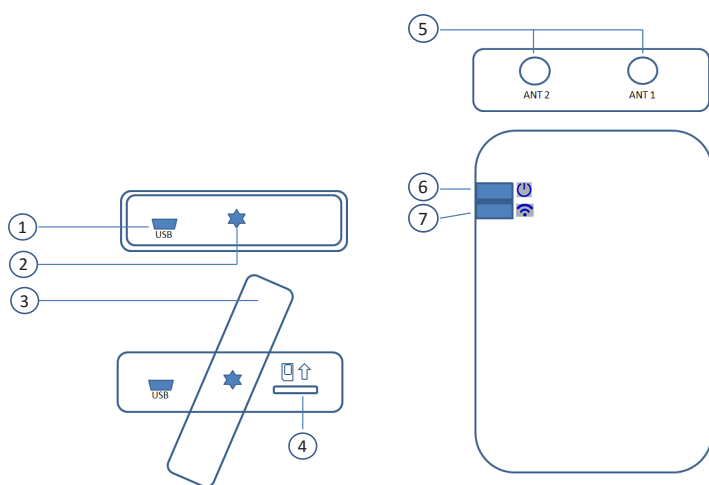
1. USB Interface
2. Secure screw (Torx size T9)
3. Secure plate
4. SIM card location
5. SMA antenna interface
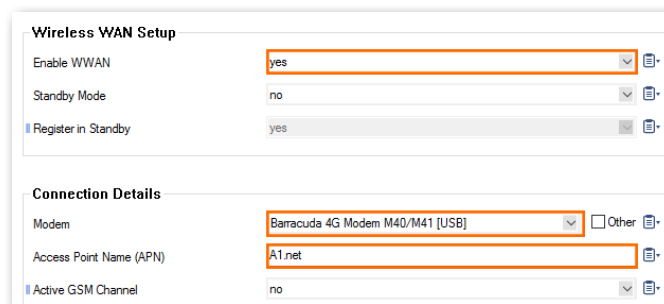**6.** Power LED (Blue)
7. Network status LED (Green)

Status LED:

The modem is equipped with a network status LED that indicates the operational state by changing between off, slow blinking, and fast blinking. The table below shows the different meanings of the glowing states:

| LED	State/Cycle Output	Meaning
OFF	OFF	
GREEN	ON - 100ms OFF - 2s	Registered 2G network
GREEN	ON - OFF 50ms; 2 times OFF - 2s	Registered 3G/4G network

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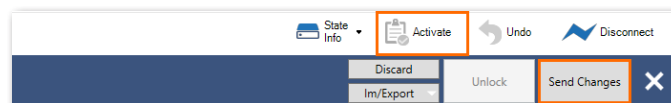
12. Go to CONTROL > Box, expand the Network section and click Activate new network configuration. Click Failsafe in the appearing Network Activation pop-up window. Wait for the Activation Succeeded dialog, and then click OK.

Note: Due to network activation you may lose connection to the appliance. Select Reconnect (upper right) to reconnect.
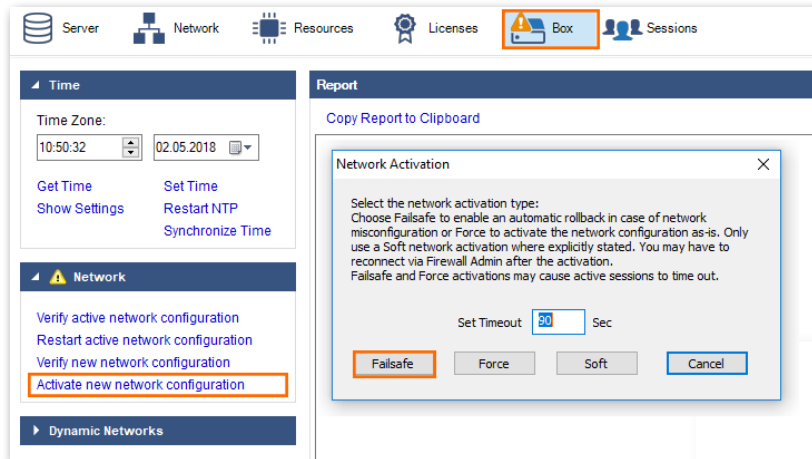
13. Navigate to Control > Network and check the availability of the WWAN uplink (ppp5)

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	M40	M41
Frequencies (MHz)	• GSM 850/900/1800/1900 • UMTS 850/900/1900/2100 • LTE 800/850/900/1800/2100/2600	• GSM 850/900/1800/1900 • UMTS 850/900/1700/1900/2100 • LTE 700/850/1700/1900/2600
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	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	LTE cat.4, HSUPA cat.6, HSDPA cat.14, GPRS class12, EDGE class126	LTE cat.4, HSUPA cat.6, HSDPA cat.24, GPRS class12, EDGE class126
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	
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	