



Barracuda 3G/UMTS USB Modem M10 – Reduce Downtime, Save Money!

Enterprise class third generation WAN backup and connectivity

The Barracuda 3G/UMTS Modem M10 provides support for wireless third generation broadband communication using 3G/UMTS/HSDPA/HSUPA technologies thus providing bandwidths of up to 7.2 Mbps. Especially for remote sites the Barracuda 3G/UMTS Modem M10 is a cost effective, rapidly deployable and ultra-reliable WAN backup solution which can protect businesses and organizations against outages caused by accidental cable or fiber link cuts during construction, moves or maintenance work. It can also serve as a high quality and cost attractive alternative to traditional uplinks such as DSL, ISDN and cable lines. Thus the Barracuda 3G/UMTS Modem M10 is perfectly suitable as a primary link for temporary sites, in-vehicle deployments or for businesses requiring connectivity in areas with weak infrastructure such as e.g. construction sites, remote areas, mobile businesses or trade fairs.



Who can benefit from the Barracuda 3G/UMTS USB Modem M10?

- Enterprises looking for a cost effective secondary link in order to quickly increase total overall bandwidth and to reduce traffic volume on the primary link
- Enterprises relying on high quality WAN backup and WAN connectivity for business critical traffic
- Branch offices and remote sites looking for a cost effective alternative to earth bound uplinks
- Branch offices and remote sites looking to bridge the gap until cable connections become available
- Branch offices and remote sites residing in areas without a good selection of affordable or reliable Internet uplinks
- Construction sites, retail, rapid deployments and portable businesses requiring quick access to Internet connectivity

Remote Appliance Control via Cell Phone Interaction

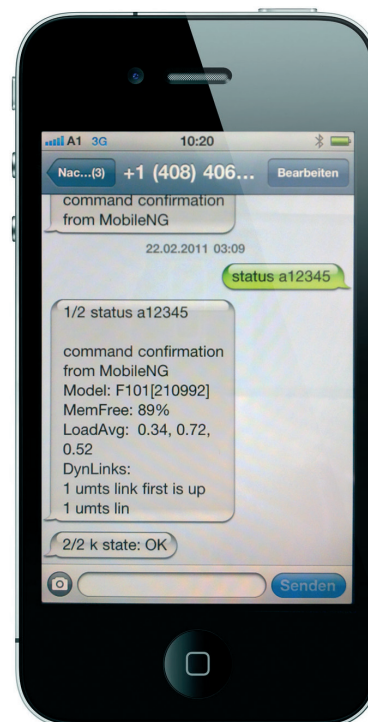
The Barracuda 3G/UMTS USB Modem M10 can also be used as a remote control to securely trigger predefined commands via cell phones and smart phones which carry out the following restorative operations on the firewall gateway:

- Reboot
- Restart the services
- Shutdown and bring up again the entire network stack
- Rebuild the management tunnel connection

It is also possible to trigger any user defined custom command which for for instance can be used to activate any alternative backup link that has been configured to remain in on demand standby state.

In addition, administrators can trigger the Barracuda 3G/UMTS USB Modem M10 to send a status message to the cell phone of the administrator which includes vital information such as firewall gateway state and link details in case the firewall gateway is no longer remotely accessible or the administrator quickly wants to check the status while being on the road.

An intelligent combination of security checks such as support of a phone number ACL, password protection on a per command basis as well as a maximum successive number of commands counter assure that there is virtually no abuse potential and remote DOS attacks are ruled out.





BARRACUDA NG FIREWALL



MPLS

3G / UMTS



Full support for application aware traffic routing: Decide which traffic is routed via the 3G/UMTS uplink.

State of the Art Benefits

- Industrial grade aluminum casing
- Supports all current CDMA and GSM standards (HSDPA and HSUPA) for worldwide deployment
- Included external SMA antenna with magnetic base
- Two LEDs for diagnostics and troubleshooting
- 100% optimized for the deployment with Barracuda NG Firewalls
- Remote control and smart check functions via text messaging
- No more worries if the newest USB modem from a local provider will be fully supported



The Barracuda 3G/UMTS Modem M10 attached to a Barracuda NG Firewall Model F101

TECHNICAL SPECIFICATIONS

USB MODEM

Frequencies (MHz)	GSM 850/900/1800/1900	Class 1 (+30dBm ± 2dB) for GSM1800
	UMTS 850/1900/2100	Class E2 (+27dBm ± 3dBm) for GSM900 8-PSK
	UMTS 2100	Class E2 (+26dBm +3/-4dBm) for GSM 1800 8-PSK
	Class4 (+22dBm ± 2dB) for EGSM	Class 3 (+24dBm +1/-3dB) for UMTS 2100, WCDMA FDD Bdl
Supported Data Transmission	HSUPA, HSDPA, 3G, UMTS, EDGE	
SIM Interface	3 VDC 6 pin	
Power Supply	5 VDC via USB Interface	
USB Interface	USB 2.0	
Dimensions (L x W x H mm)	71 x 49 x 20	
Net Weight (g)	150	
Operation Temperature (°C)	-20 to +65	
Certifications	FCC, CE, ROHS	

ANTENNA

Interface	SMA
Frequency Range (MHz)	800 - 2800
Input Impedence (Ohm)	50
Gain (dBi)	3.5
Polarization Type	Vertical
Radiation Direction	Omnidirectional
VSWR	< 1.5
Max. Input Power (W)	50
Heigth (mm)	260
Cable Length (m)	3

ORDERING INFORMATION

Order No. EMEA / International	BNGIM10a
Order No. North America	BNGM10a

Specifications subject to change without notice.
UK 1.1

Barracuda Networks cannot guarantee signal reception in your area. Please make sure the signal quality is sufficient, especially prior to purchasing large quantities.