

Solutions for Wi-Fi business

- Manage Wi-Fi APs over the web
- Authenticate via custom captive portal
- Run your business, your way: free, fee, or ads
- Scale from hotspot to muni



Mak Bil'n'go Control Center software enables you to centrally manage, and control access to, Wi-Fi networks of any size.

Wi-Fi service providers use Mak Bil'n'go Control Center's secure web-based interface to remotely configure APs, create custom branded captive portal pages, track usage, enforce network policies, generate reports, and bill for access.

Mak Bil'n'go Control Center's flexible design lets you run free or paid hotspots or hotzones. A single Mak Bil'n'go Control Center server is capable of managing anywhere from one to hundreds of Mak Bil'n'go powered APs.

Mak Bil'n'go Control Center is designed to run in your data center.

Mak Bil'n'go Control Center enables you to manage all of your wireless access points from a unified, secure web interface.



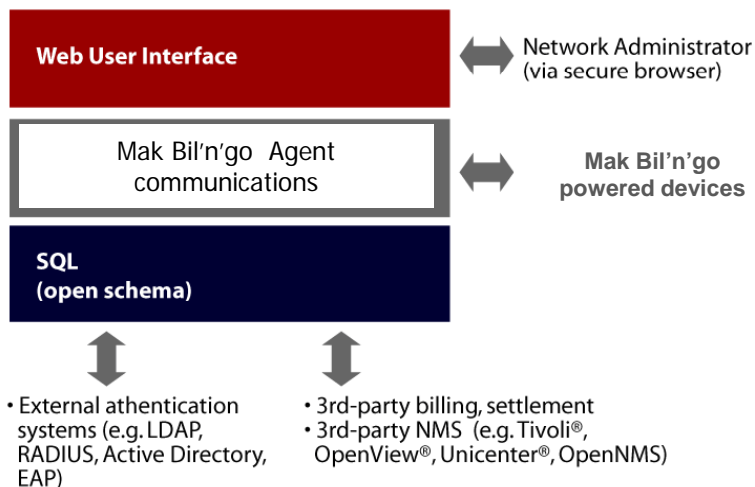
Business Initiated on	Client Login	Session	Average Length	Uplink	Download	Rate
2009-12-29	192.168.190.11	1	04:00:00	491.02K	881.00K	98.00Kbps
2009-12-29	192.168.190.11	1	01:31:38	31.521.12K	11.312.04K	31.629.13Kbps
2009-12-29	192.168.190.11	1	01:01:29	11.041.29K	11.041.29K	11.041.29Kbps
2009-12-29	192.168.190.11	1	01:30:34	11.301.34K	11.301.34K	11.301.34Kbps
2009-12-29	192.168.190.11	1	01:00:19	8.001.19K	8.001.19K	8.001.19Kbps
2009-12-29	192.168.190.11	1	01:00:41	8.001.41K	8.001.41K	8.001.41Kbps
2009-12-29	192.168.190.11	1	01:01:46	8.011.46K	8.011.46K	8.011.46Kbps
2009-12-29	192.168.190.11	1	01:30:40	11.311.40K	11.311.40K	11.311.40Kbps
2009-12-29	192.168.190.11	1	01:01:47	8.011.47K	8.011.47K	8.011.47Kbps
2009-12-29	192.168.190.11	1	01:04:03	11.041.03K	11.041.03K	11.041.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
2009-12-29	192.168.190.11	1	01:01:01	8.011.01K	8.011.01K	8.011.01Kbps
2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
2009-12-29	192.168.190.11	1	01:01:01	8.011.01K	8.011.01K	8.011.01Kbps
2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
2009-12-29	192.168.190.11	1	01:01:01	8.011.01K	8.011.01K	8.011.01Kbps
2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
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2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
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2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
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2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
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2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
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2009-12-29	192.168.190.11	1	01:01:01	8.011.01K	8.011.01K	8.011.01Kbps
2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
2009-12-29	192.168.190.11	1	01:01:01	8.011.01K	8.011.01K	8.011.01Kbps
2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
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2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
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2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
2009-12-29	192.168.190.11	1	01:01:01	8.011.01K	8.011.01K	8.011.01Kbps
2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
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2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:31:38	11.311.38K	11.311.38K	11.311.38Kbps
2009-12-29	192.168.190.11	1	01:01:01	8.011.01K	8.011.01K	8.011.01Kbps
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2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
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2009-12-29	192.168.190.11	1	01:01:03	8.011.03K	8.011.03K	8.011.03Kbps
2009-12-29	192.168.190.11	1	01:00:29	8.001.29K	8.001.29K	8.001.29Kbps
2009-12-29	192.168.190.11	1	01:00:40	8.001.40K	8.001.40K	8.001.40Kbps
2009-12-29	192.168.190.11	1	01:3			

Mak Bil'n'go Control Center is designed for the utmost business flexibility. Choose from the following authentication methods:

Method	Purpose	Included?
User Database	Authenticate users and restrict access to the wireless network.	Yes
Device Database	Authenticate VoIP/Wi-Fi handsets, printers, and other devices.	Yes
Guest Database	Skip end-user registration (end-users click through a "splash" page; sessions are tracked by MAC address).	Yes
Pre-Paid Database	Use pre-paid cards or codes to time limit wireless access.	Add-on Module
RADIUS	Connect to a third-party RADIUS or Microsoft Active Directory server for authentication, billing, or roaming.	Add-on Module
PayPal Account or Credit Card	Charge end-user credit cards or PayPal accounts (normal PayPal transaction fees apply, no additional Mak Bil'n'go fees).	Add-on Module
Credit Card in Local Currencies	Charge end-user credit cards in over 144 local currencies around the world.	Add-on Module



Mak Bil'n'go control overview



To use Mak Bil'n'go Control Center to manage your Wi-Fi network:

- set up as many authentication methods as you want.
- apply one or more authentication method to the captive portals you design.
- apply captive portals to one or more Mak Bil'n'go-Powered APs.

Mak Bil'n'go Control Centre Features

Secure web interface	Mak Bil'n'go Control Center presents a secure, easy-to-navigate web interface, enabling network administrators to manage wireless networks from anywhere.
Plug-n-play provisioning	Simply plug in Mak Bil'n'go-Powered access points anywhere on the Internet, even behind firewalls. They receive configuration information from Mak Bil'n'go Control Center and you're ready to roll—without a truck roll.
Standard wireless clients	Mak Bil'n'go utilizes IEEE 802.11 standards for interoperability with standard wireless clients—laptops, handhelds, VoIP Wi-Fi phones. No special client software is required to use a Mak Bil'n'go wireless network.
AAA (Authentication, Authorization, Accounting)	Mak Bil'n'go Control Center includes built-in AAA. End-users must <i>authenticate</i> (via username/password) before getting wireless access. Once authenticated, they are <i>authorized</i> to use defined network resources, and restricted from other resources, based on policy set by the network administrator. Finally, Mak Bil'n'go Control Center <i>accounts</i> for end-user bandwidth usage.
Detailed usage tracking	Mak Bil'n'go Control Center enables you to track who is on your network and how much bandwidth they're using. Network administrators can use real-time telemetry to diagnose problems in the field, isolate—and terminate—bandwidth hogs and generate reports for capacity planning or fraud detection.
Flexible reporting	Mak Bil'n'go Control Center includes real-time telemetry and historical reporting of end-user and AP bandwidth usage in hourly, daily, weekly and monthly durations.
Remote AP management over the Internet	Mak Bil'n'go Control Center enables network administrators to manage the wireless network as a system rather than individual access points. From a secure web interface, network administrators can remotely flash-upgrade APs in the field, modify captive portal and redirect pages, change the wireless channel and SSID. APs can be situated behind firewalls, on private LANs, or on any network with a route to the Internet.
Network security	Mak Bil'n'go supports existing network security standards such as WEP, WPA and VPN pass-through. Mak Bil'n'go provides an additional layer of security by requiring all users to log in before they access the network. Guest policy management enables administrators to define private networks. Users classed as “guests” can go anywhere on the Internet—but not on private networks.
Integration with external AAA, NMS, billing	Mak Bil'n'go Control Center is based on a set of open, extensible interfaces that facilitate integration with preferred third-party billing systems, settlement systems, authentication systems (such as RADIUS, LDAP, EAP, NDS and Microsoft Active Directory®) and network management systems (such as CA Unicenter®, IBM Tivoli®, HP OpenView® and OpenNMS).
Branded experience	Mak Bil'n'go Control Center enables you to create a customized captive portal that reflects the brand experience you want to create for your customers. You can also set a redirect page so that customers are sent to the web site of your choosing after they complete a successful log-in, further reinforcing your marketing goals.
Mak Bil'n'go Modules for added features	Add modules to Mak Bil'n'go Control Center to extend its functionality to meet your requirements. Existing modules include credit card and PayPal payment processing, pre-paid card authentication, and RADIUS server integration.
Flexible business model	Mak Bil'n'go Control Center is designed to flexibly support virtually any wireless business model, including free community networks, branded wireless portals and fee-based wireless networking. With Mak Bil'n'go Control Center there is no ongoing “revenue share” that eats into your profits.
Easy installation and upgrades	Mak Bil'n'go Control Center is packaged as RPMs and installs via a single script on top of Red Hat Linux Enterprise Edition 3.0 (WS, ES or AS), Fedora Core 1, or White Box Enterprise Linux. You can easily upgrade Mak Bil'n'go Control Center via its web-based interface. (Minimal install recommended, additional packages will be installed automatically.)
Inexpensive to own and operate	Mak Bil'n'go is dramatically less expensive than competitive solutions in two ways. First, at the edge—the Mak Bil'n'go Agent is designed to run on inexpensive APs, enabling you to take advantage of the high-volume price curve of mass market access points. Second, at the center—starting at \$599 to manage two wireless access points, Mak Bil'n'go Control Center is far less expensive than competitive alternatives.