

## Mobile VPN for secure WLAN and WWAN corporate access

**AirBEAM Safe from Motorola is a mobile VPN for secure and seamless access to the enterprise network via WLAN and WWAN. AirBEAM Safe is a trusted technology that already has been deployed on more than 1.6 million devices.**

AirBEAM Safe is a software-based mobile VPN solution developed by Columbitech and sold by Motorola and its partners. It can be deployed on all of Motorola's wireless devices and provides secure mobile access to an enterprise network via the WLAN and WWAN. AirBEAM Safe has been developed for true mobile use and offers features such as session resume and seamless connectivity for optimal performance.

With AirBEAM Safe companies can leverage the power of wireless to increase productivity without worrying about security.

### Enables mobile workers across several industries

AirBEAM Safe offers safe wireless access and PCI compliance for retailers in both the private and DoD sectors. The solution is used by three of the top 10 U.S. retailers and secures more than 11,000 stores. AirBEAM Safe is also deployed on WWAN devices for field mobility in the public safety, transportation, and field service sectors for on-the-go access to all enterprise systems.

### Strong authentication and encryption

AirBEAM Safe supports up to 256-bit AES encryption and is FIPS 140-2 certified according to the U.S. government's computer security standard. AirBEAM Safe offers strong mutual authentication that can be integrated with a single sign-on to the corporate network log-on.

When a user accesses the enterprise system, an authenticated and encrypted VPN tunnel is established between the wireless AirBEAM Safe client and the AirBEAM Safe VPN server. The server controls authentication and session management. If the server is placed on the corporate LAN, use of the AirBEAM Safe gatekeeper is recommended. The gatekeeper makes it possible to authenticate all incoming traffic outside the firewall while maintaining the encrypted tunnel. Multiple VPN servers can be grouped behind the gatekeeper to allow load balancing and provide failover capacity.



**EMPOWER WIRELESS.** AirBEAM Safe empowers companies to take advantage of wireless without having to worry about security.



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The Network Access Control (NAC) functionality ensures that the connecting device is compliant with the company's security policy and has up-to-date antivirus and firewall protection. Devices that don't comply with the policy are quarantined.

### Seamless connectivity

AirBEAM Safe operates over any kind of private or public network and provides seamless connectivity between LAN, WLAN, WWAN, dial-up connections, and satellite networks.

The mobile VPN client runs in the background and offers end-to-end security totally transparent to the user. AirBEAM Safe seamlessly connects to different networks, and the IP address remains the same, with no need to log on again or restart the application.

### Session resume and advanced data compression

AirBEAM Safe supports session resume, which automatically restores the network connection without disrupting the VPN tunnel if the communication link is interrupted or if the client has been in sleep mode to save battery power. The VPN client not only recover the network connection, it also picks up any interrupted file transfers when the device regains coverage.

AirBEAM Safe is optimized for mobile users and offers up to 60 percent compression of data for optimal performance over low-bandwidth wireless networks.

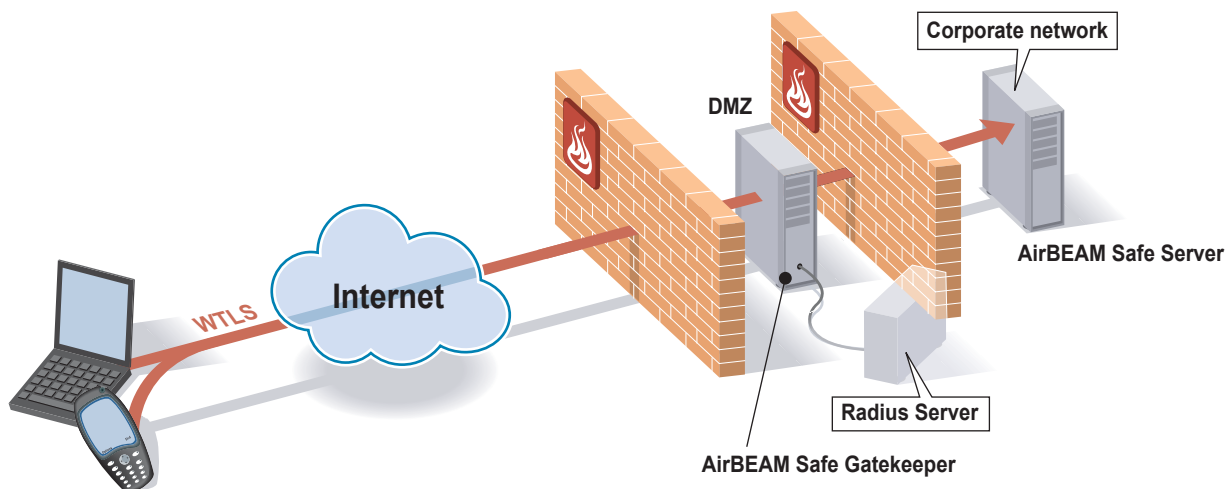
### Policy-based roaming

AirBEAM Safe supports policy-based roaming to connect to the best available network. The connection policies can be defined by the user or be centrally managed. AirBEAM Safe enforces security policies as a conventional VPN but can adjust the policy depending on the network characteristics.

### Support for all wireless devices

The AirBEAM Safe software has a small memory footprint and low CPU usage and is therefore an optimal solution for thin clients. The solution is validated by the Motorola SymbolPLUS program for use with MC35, MC50, MC70, and MC9000 and is deployed on many more devices. AirBEAM Safe supports a wide range of platforms including Pocket PC, Windows CE, Windows Mobile, Windows XP, and Windows Vista and is the only mobile VPN that supports DOS legacy equipment.

AirBEAM Safe offers a single solution for securing all wireless infrastructure and can also be deployed on laptops, POS terminals, printers, scales, vehicle-mounted computers, and other vendors' mobile computers and smartphones.



**AIRBEAM SAFE GATEKEEPER.** Using the gatekeeper is recommended when the VPN server is set up on a corporate LAN. This makes it possible to authenticate all incoming traffic outside the firewall while maintaining an encrypted tunnel.

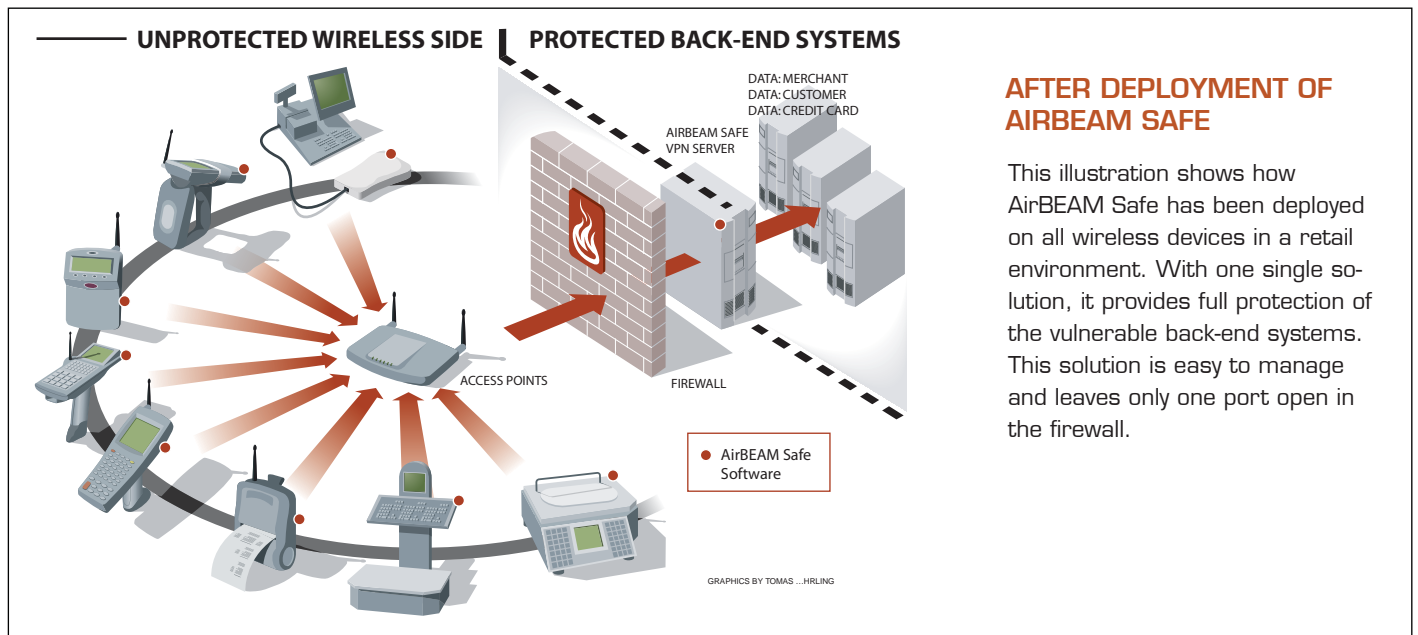
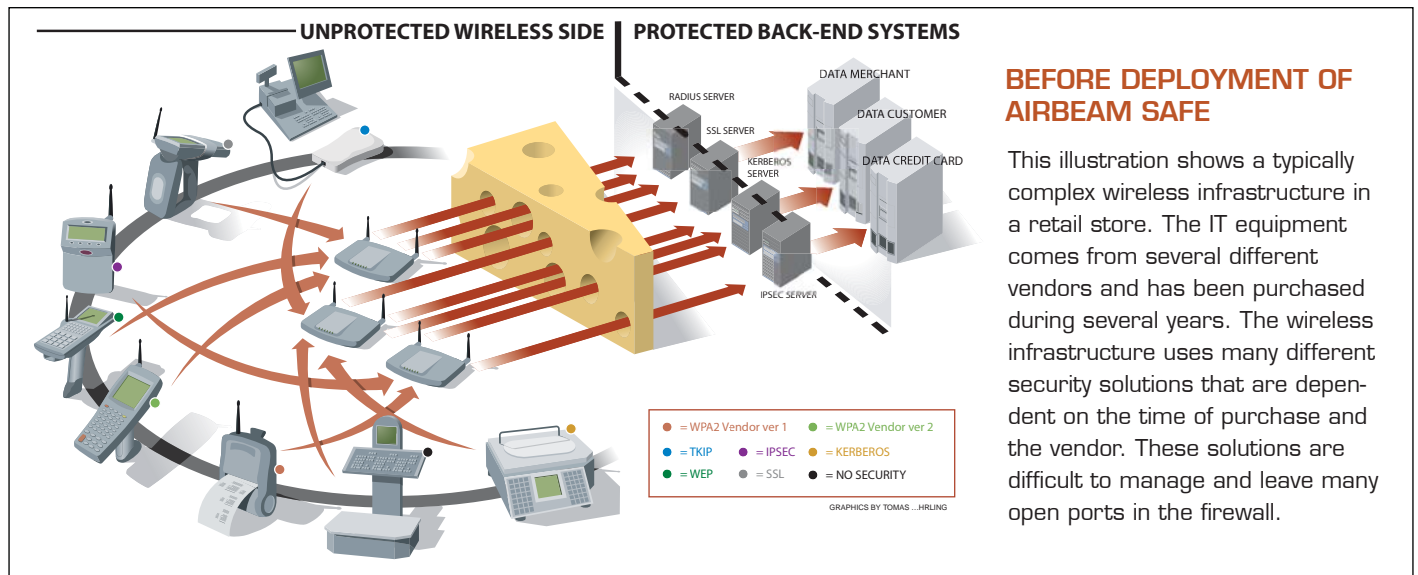
## Already installed on more than 1.6 million clients

With more than 1.6 million installations of Columbitech's mobile VPN, AirBEAM Safe is a trusted security solution.

The solution is preconfigured and therefore fast to deploy and roll out to thousands of users in many different locations. AirBEAM Safe supports most wireless devices and eliminates the hassle of administering several vendor-specific security systems. This saves time and reduces costs for support, configuration, and administration. Since the AirBEAM Safe is software-based, it is easy to upgrade to support future standards and technologies.

## Application SDK

AirBEAM Safe Application SDK makes it possible for developers to integrate the features of Columbitech Mobile VPN into any application, and the VPN functionality thus becomes transparent to the end user.



## Technical Highlights

- Based on the WTLS (Wireless Transport Layer Security) standard protocol
- Client support: Windows 2000/XP/Vista, DOS, Windows Mobile 3.2/5.0/6.0, and Symbian 9.1
- Server support: Windows 2000/2003 and Linux
- Network agnostic, with support for LAN, WLAN, Wi-Max, GSM, 3G, EDGE, GPRS, EVDO, CDMA, etc.
- Strong authentication, with support for Windows Domain username/password, soft certificates, RADIUS challenge/response, RSA SecurID single-time password, and smartcards
- Strong AES encryption, RSA key-exchange, SHA-1 integrity checking, and support for standard PKI

## Key Benefits

### Security

- End-to-end security, with strong authentication and encryption of data
- FIPS 140-2 certified to meet federal standards for cryptography and interoperability
- Network Access Control ensuring that connecting devices meet all security requirements
- Access rights to intranet based on user profile

### Convenience

- Seamless user experience, with single sign-on
- No need to log on again or restart applications after device hibernation, sleep mode, or loss of coverage
- Silent log-on to WLAN hotspots using WISPr specification
- Seamless roaming between all wired and wireless networks with maintained VPN tunnel

### Performance

- Up to 60 percent compression of data, for optimal performance even in poor network environments
- Automatic bypass of VPN when accessing enterprise network from the inside

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## ABOUT COLUMBITECH

AirBEAM Safe has been developed by Columbitech, a leading mobile VPN security software provider, with more than 1.6 million licenses sold. With key customers that include three of the top 10 U.S. retailers and several large European service providers, Columbitech has a strong footprint in the retail and service provider industries. Columbitech solution is privately held, with offices in Stockholm, Sweden, and New York, USA.



## MORE INFORMATION

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