



# AppGate USB Client

The AppGate USB Client from Cryptzone is a valuable tool when users need to access the corporate network from untrusted computers such as at home, at the airport or in a café. The client does not use or rely on the operating system of the machine. Instead it executes in the secure and trusted environment installed on the USB flash drive, providing a truly zero footprint solution.

## Overview

The AppGate USB Client from Cryptzone provides a portable and robust way to access information and applications securely from virtually any computer. It is designed to be used on personal computers when connecting to an AppGate Security Server and enables people to work securely without having to change or worry about the configuration of the PC.

The USB flash drive is a bootable device containing a full operating system, the AppGate client, a web browser, an office suite, and email client, and other applications for the daily work routine. The client does not rely on, or use, the ordinary operating system on the machine. It will execute in a secure and trusted environment regardless of the configuration of the original operating system on the computer. In addition, it does not access or store any data on the local hard disks on the PC and will therefore not leave any trace or residue when the session to the AppGate server is closed.

There are many situations where the USB Client can be used for example:

- Business people needing to access corporate information, for example from a customer's computer;
- 3<sup>rd</sup> party contractors who want to use their own computers for access;
- Project groups who need to access common resources from different computers around the world. USB clients can be distributed at the beginning of the project and returned when it is completed;
- Medical personnel who need to access patient data from a home computer. This client guarantees that nothing will be stored locally on the computer when the user closes down the session;
- Home users who share computers with other people at home and where the status of the computer is unknown. These computers can be trusted provided they use the AppGate USB Client for access.

An effective and low cost solution for providing users with secure remote access from any computer



## Key features

**Zero footprint solution:** The USB flash drive contains all components necessary to run the AppGate client securely on almost any personal computer. All applications necessary for the end-user are also pre-installed on the USB drive, and the device includes a firewall for extra protection.

**Easy to use:** When the user starts the system on the USB device, the AppGate client is automatically launched and the user can log into the remote system.

**Secure:** The client does not depend on the configuration of the computer's operating system and installed applications. In addition, neither the AppGate client nor the applications being used during the session will or can store any data on the computer's hard disks. The disks are never touched and, as a result, the client is safe from any kind of malware, spyware or virus that may be present on the computer.

**Control user access:** The USB Client requires an AppGate Security Server to establish a secure and encrypted communications link. The system administrator can define rules to grant or deny user access to applications and data when the USB client is used; or to make sure that a specific application requires the USB client for external access, possibly in combination with two factor authentication.



## Application support

It is possible to access a wide variety of applications from this client. The standard USB client configuration contains the following applications:

- The AppGate client (with IPTD support) which supports all TCP and UDP based application protocols between the client and the server.
- Firefox web browser to access web based services including Outlook Web Access.
- Thunderbird mail client for download and off-line reading of email.
- A Remote Desktop client, which gives the user full access to a remote Windows system environment.
- VNC client which makes it possible to access desktops on remote computers having a VNC server installed.
- Terminal emulators for IBM 3270 and IBM 5250 mainframes.
- A Java environment to run Java applications from the web browser.
- OpenOffice, for reading and write office documents.
- Acrobat Reader.

## Technical details

The USB client is built on Ubuntu Linux, which executes entirely in RAM memory and never writes any data to the hard disks. It contains a firewall that protects the system from network attacks.

Almost all interaction with the operating system is removed from the desktop. The graphical user interface shows the user which applications they can use. This customization of the user portal interface is done centrally in the AppGate server and no configuration of the USB client is necessary.

The USB memory contains an encrypted partition on which application configuration files are stored, together with downloaded emails and other documents (if these services are made available in the AppGate server). It is password protected and the user must provide the system with a password to unlock the partition when the system is started. Configuration information stored here includes information about what server to connect to and browser settings.

The only requirement of the client computer is that the computer's BIOS is able to boot from a USB memory stick.

### AppGate USB Client Technical Requirements

<b>AppGate Security Server:</b>	Version 8.0 or later required.
<b>CPU and memory:</b>	Intel-compatible CPU (i486 or later) with more than 128 MB memory with BIOS able to boot from a USB stick.
<b>Graphics adapter:</b>	Standard SVGA-compatible graphics card. Most adapters are supported but there are exceptions.
<b>Network adapter:</b>	Ethernet adapter or a standard modem. Most adapters are supported but there are exceptions especially for wireless adapters (some hardware vendors don't want to publish their specifications to the Linux community).
<b>Authentication:</b>	All application mechanisms supported by the AppGate server excluding those requiring hardware to be connected to the client computer. Passwords, token cards, Radius, SecurID, etc., are all supported.
<b>Firewall:</b>	The client system is protected by built-in firewall functionality. No external systems can connect to the client computer on the network.

Specifications may change without notice.

Cryptzone solutions mitigate information security risks identified in four key areas of Policy Compliance, Content Security, Secure Access and Endpoint Security.

The AppGate solution from Cryptzone enables organizations to provide controlled access for all authorized users regardless of their location whilst also ensuring network resources are protected against internal and external threats. This award-winning technology combines an application layer firewall with device security and granular access control system in one easy to use, cost effective system.

Cryptzone Group AB  
Drakegatan 7,  
SE-412 50 Gothenburg,  
Sweden  
Tel: +46 (0)31 773 86 00

United Kingdom  
Tel: +44 (0)370 013 1600

United States  
Tel: +1.949.279.6177

info@cryptzone.com  
www.cryptzone.com