

# Solution Guide:

## Access your office Desktop

### How to avoid data ever leaving your network

#### Executive Summary

More and more people today do their job via a computer. They manage information, processes, sales, purchases, people, and even production. Increasingly, people work in a global environment across many time zones and many geographies.

Most workplaces provide every employee with a desktop PC that is part of the company network and conveniently makes applications, data, and tools available for employees to work on. As employees come to the office to do their work on the PC they know and the company knows that everything they do is stored safely, is protected, and is backed up by centralized systems.

Unfortunately, employees are forced to do their job from inside their office.

*What if they need to deal with a problem from the other side of the world in the middle of the night?*

*What if they are working on an important project 3 time zones away but need to pick up the kids?*

*What if road conditions prevent them from coming to the office or being there on time?*

There are many, many reasons why the traditional “working from the office” model is too rigid and really doesn’t serve neither the company needs nor the employees need.

G/On is the perfect solution to deal with this dilemma. G/On makes it possible to maintain the safe environment with the desktop PC workplace in the office while people can work on that PC from all around the world.



### Solution Highlights

#### Benefits

- Full flexibility for all employees
- Increased productivity and competitiveness
- Increased job satisfaction
- Increased utilization of existing HW

#### Recommended configurations

- Remote access to employees’ office PC
- G/On USB for each employee

#### Requirements

- Windows XP Professional or Vista Business for employees’ office PC
- Windows Server 2003 for the G/On Server
- A PC with Windows XP or Windows Vista for the remote PC.

#### Other relevant information

- Windows Terminal Server, Citrix Server, or virtual PC’s (like VMWare) can be used instead of or as a supplement to office PCs’.



## 1. The challenge

Most organizations today provide company PC's that are on the company network, centrally managed and has access to all the resources needed for the employees to do their work. The PC is backed up and safely and securely protected by the company IT department.

At the same time, organizations today operate more and more globally and depend on their employees to process information and for them to respond quickly and effectively around the clock. Consequently, employees have to spend more and more time in their office so they can do their job working with people from around the globe across many different time zones.

Companies are aware of this issue and are providing a few key employees with remote access so they can work from a Laptop or from a PC out of their house. Unfortunately, such a solution is expensive and extremely difficult for IT departments to manage as access is now getting outside the company premises and therefore is no longer controlled and safely managed. The result is that companies do not provide remote access for people in general and they hesitantly give remote access only to people with a big, big pain or hold key positions within the company.

To give remote access for people, the IT department has to deal with issues like:

1. How do we make sure that only the right people get access?
2. How do we make sure that the remotely connected PC does not infect our network with virus
3. How do we make sure that data is transmitted safely and securely from the remote PC to our network?
4. How do we make sure that company data and information is not getting in the hands of the wrong people if PCs and Laptops are lost or stolen?
5. How do we make sure that peoples data is stored safely and backed up?

In today's market place there are thousands of different solutions to each of the problems and the IT departments are forced to understand all the issues and to make the right choice and to make it all work together. The result is a complex IT infrastructure with numerous solutions only a few people understand and with even fewer people being able to manage.

## 2. The solution

With something as simple as a G/On USB it is possible to use any PC to connect to the office PC and work on that office PC as if you are sitting inside the office. Users have access to everything they normally use and they will not experience any differences although they are physically sitting in their house connecting from their own computer, if they are sitting in a hotel using a PC in the Business Center, if they are working from a PC in their clients office or from any other PC with an Internet connection. On combines the best of the two worlds. The IT departments know that users are always working off the PC's inside the company network. And, users get all the flexibility they need to do their work around the clock without being physically "locked" to the office.

G/On provides users end-to-end secure remote access to their office desktop from their home PC's or other PC's through a single software product. G/On's innovative and patented USB based connectivity and authentication device enables users to connect from any PC that has a USB port and is connected to the Internet. G/On does not require installation of software on the PC and contrary to traditional VPN based



solutions — the PC does not become part of the network. Consequently, G/On eliminates numerous end point security issues. The G/On client provides users with a menu of applications they are authorized to access and converts desktop connectivity into a FIPS 140-2 validated 256-bit AES encrypted data stream that is sent to the company's G/On server inside the network and forwarded to the users' desktop PCs.

As G/On can be configured to prevent data from ever leaving the company network, G/On enforces such company policies by not allow copying of company data onto remote PC's, copy/paste and local printing. The configuration is all managed centrally and governed by user groups or individual user profiles and privileges. Some users have access to server consoles for administrative tasks and other specific applications.

If users do need to upload or download data sets for off line computations or if users are collecting data that needs to be sent to the company network and stored centrally, such functionality is configured specifically in G/On to ensure that all uploads and downloads go through proper security inspection managed centrally and are logged in details in case a subsequent audit is required.

### 3. The benefits

G/On is a significantly simpler solution compared to today's technologies in the market place. G/On makes it profitable and manageable to give remote access to every employee in an organization. When everybody has remote access via G/On, the organization can rely on their employees to be able to get to applications from their home PC, from PCs in hotels, from PCs at client locations, from PCs at partners, from PCs at vendors, etc. The organization can thereby avoid costly delays and dependencies in operations and will experience increased productivity and competitiveness. Employees will avoid frustrations and experience a significant increase in flexibility and job satisfaction as they are now able to do their job without being forced to be at the office. Many organizations prefer their employees to be inside the office but with G/On, people can do some work in the morning before the rush hour commute and they can do some work in the evening after they have settled in at home.

By providing your employees remote access with G/On you will see their job satisfaction and productivity increase measurably. Your IT department will appreciate G/On because it is secure, safe and easy to manage. Your CEO and CFO will be pleased with G/On because it is affordable and not costly to maintain.

Using G/On to give people access to their desktop PC means that the IT department doesn't have to implement any other tools to make sure people can do their work while all company security policies remain in place. Equally important, with G/On your are leveraging the investment already made in desktopPCs. Why invest in additional servers and software just for remote access?

### 4. More Information

See also Giritech Solution Guides for Mobile Workers and Giritech Solution Guide, Working From Home and Tele Commuting, and External Contractors/Outsourcing

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