



SOLUTION BRIEF

EFFICIENT, POWERFUL, AND SECURE ACCESS TO DIGITAL WORKSPACES WITH IGEL AND LG



“Cloud computing” and “working in the cloud” were once abstract concepts for most workers, typically limited to a select few within highly regulated industries like healthcare, government, and finance. Today, organizations of all types and sizes are moving users from traditional desktop and laptop PCs to thin client devices designed specifically for the consumption of cloud-delivered digital workspaces. A leading provider of these highly efficient and secure endpoints is LG, who offers a range of traditional compact desktop models as well as integrated all-in-one thin clients that are as visually appealing as they are secure and powerful. LG endpoint devices are widely regarded as world-class in terms of their performance, reliability, and efficiency.

Similarly, IGEL has forged a strong reputation with IGEL OS, the next-gen edge OS for cloud workspaces. Installed on over four million endpoint devices around the world and counting, IGEL OS is designed for simple, smart, and secure access to cloud-delivered desktops and apps, and serves as the ultimate companion operating system for LG thin

clients. The combination of IGEL OS software and LG thin clients represents an ideal solution for any organization looking to furnish its people with secure, reliable, high-performance cloud-connected endpoints.

Let's look at some of the advantages of combining LG thin clients with IGEL OS.

SECURE

LG thin clients are secure by design, and LG all-in-one thin clients take hardware security to the next level by integrating all internal processing power, memory, and local storage safely inside the display enclosure. IGEL OS is the endpoint operating system that is also secure by design per the following factors:

- Linux based with a very small firmware footprint results in a very small malware “attack surface”
- Read-only (firmware cannot be tampered with)
- Modular – only the features needed per user profile are present on the device, further shrinking any malware attack surface
- “Chain of trust” – end-to-end cryptographic signature verification process at boot-up ensures system integrity from the UEFI on the LG thin client all the way to the destination VDI host or cloud

EFFICIENT and GREEN

LG thin clients require less energy to operate than traditional business PCs, which helps lower an organization's carbon footprint while saving money.

LG all-in-one thin clients offer even greater energy efficiency since the power requirements of the all-in-one's are lower than a combination of a PC or thin client with an attached external display.

IGEL OS is extremely efficient and therefore less demanding on CPU and memory resources. In fact, the minimal configuration for running IGEL OS is just a 1 GHz processor and 2GB RAM. Users with demanding workloads will likely need greater local resources but the fact remains that with its small, lightweight firmware footprint, endpoints including LG thin clients enjoy greater processing “headroom” with less local resources compared to other endpoint operating systems. As an example, one IGEL customer, a large healthcare organization in the U.S., was able to run their workstations on wheels (WOWs) up to five times longer between re-charges after replacing Windows on those devices with IGEL OS.





HIGHLY PERSONALIZED

LG thin client form factors are designed to “fit” well with end-user needs. For example, workers who do not place a premium on space-saving and aesthetics may opt for an LG “box type” thin client accompanied with one or more external displays. On the other hand, some end-users may be better suited with an LG all-in-one thin client. With no

cables connecting the display element with the “thin client inside”, these all-in-one’s have one less connection to worry about, and they are also beautiful to look at! For customer-facing workers like bank tellers, ticket-takers, receptionists, and those at points of service, these devices present a strong, uncluttered company look while conserving space and energy.

IGEL OS is highly customizable based on company, department, and user requirements. Custom banners can be displayed upon system start-up for example, and specific preferences like preferred mouse-click buttons and printer access can be assigned by an administrator by department or user.

GREAT USER EXPERIENCE

A great user experience consists of a working environment that matches the needs and preferences of the user, and a high fidelity, immersive digital experience when accessing cloud-delivered apps and desktops. With its selection of separate desktop and integrated all-in-one thin clients, there is an ideal LG thin client form factor for any user that can be configured with all the needed processing power, memory, and storage required to efficiently run any mix of applications.

Likewise, IGEL OS offers excellent performance given its lightweight architecture and lack of “overhead”, and it supports and stays current with the latest unified communications software offerings including Microsoft Teams, Zoom, Cisco Webex, and others. Via techniques like video offloading and virtual channels, end-users can experience brilliant graphics and multimedia from their LG thin client.

The IGEL UD Pocket and UD Pocket2 also contribute to a great user experience by enabling people to instantly turn their LG device of choice into a secure, managed LG thin client. For example, someone may have an LG laptop or all-in-one computer at home

and would like to use it for their work. Simply plug in the UD Pocket, boot from USB, and you now have a secure LG thin client powered by IGEL OS. When the work session ends, unplug the UD Pocket and the device reverts back to its original environment. At no time do the personal and work environments co-exist — it's a fully secure, independent environment.



The combination of the IGEL UD Pocket and LG endpoint device makes for a great business continuity solution whenever a primary work device may become unavailable for any reason.

EASY TO MANAGE AND SCALE

IGEL OS includes the Universal Management Suite (UMS) software that is legendary for its ease of use and scalability. Enabling full management and control of up to 300,000 IGEL OS-powered LG thin clients from a single console, the UMS can vastly reduce the amount of administrator time needed to configure, download, update, and patch user endpoint devices. And via the IGEL Cloud Gateway (ICG) feature, the UMS can securely extend its reach to off-network LG thin clients for at-home and remote workers without requiring a VPN connection. A UMS administrator can even “shadow” a remote LG thin client, taking over its keyboard and mouse if necessary, for support troubleshooting purposes.

The above factors are just some of the reasons why combining LG thin clients and IGEL OS is a great move for any organization. As more organizations look to access cloud-delivered digital workspaces with improved endpoint device security, greater space and energy efficiency, and outstanding endpoint performance for exceptional end-user experiences, LG and IGEL offer combined solutions that are second to none.

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