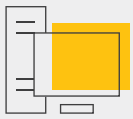
DATASHEET

IGEL OS

THE NEXT-GEN EDGE OS FOR CLOUD WORKSPACES

IGEL OS is IGEL's platform-independent Linux-based endpoint operating system designed for simple, smart, and secure access to virtual apps, desktops, and cloud workspaces. IGEL OS turns any compatible x86-64 device (PC, laptop, tablet, or thin client) into a secure IGEL-managed endpoint. It provides outstanding audio, video, interactive graphics, and unified communications. Constantly updated with the latest versions of the most popular codecs and client protocols, users from engineers to designers to gamers can experience rich, immersive multimedia experiences.

Hardware Agnostic



A highly secure Linux-based operating system for x86-64 machines built with industry-standard components, regardless of manufacturer, platform-independent IGEL OS is designed to become the standard enterprise managed operating system for PCs, laptops, tablets, thin clients, and most every other compatible x86-64 device accessing virtualized apps and cloud workspaces.

Cost Effective

Extending the life of existing hardware assets, in some cases by many years, eliminates the disruption and cost of investing in new hardware. Future-proofing your infrastructure further reduces unnecessary IT expenditures and ensures easier scalability.

Built-in Enterprise-level Security

Security-conscious organizations can finally be confident that the core operating system on endpoint devices has not been compromised. Support of two-factor authentication, smart card readers, biometric scanners, and trusted execution are already included. Additionally, as a modular, read-only, highly secure Linux-based operating system, IGEL OS is resistant to manipulation, as well as viruses and other malware.

Easy Customization

From specialized functionality to corporate branding to screensavers that display corporate messaging, IGEL OS is designed for managed customization and cloud-based environments. It's easy to make your endpoint devices look and perform exactly the way you want, without having to overhaul your backend infrastructure.

Modular Configuration

Pick and choose functionality based on your people's needs. IGEL OS is designed to let an organization "turn off" unused features. Turning off unused features lets you give back resources to the system, keep your endpoints as "thin" as possible, better control endpoint usage, and minimize the attack surface of the device.

Enhanced User Experience

By moving desktop PC workloads from the endpoint into the cloud or a secure data center, which includes inherent fault tolerance and automated backups, you experience true efficiency while increasing security. Increase efficiency with significantly faster logins and application loading, more consistent operation, and significantly boosted performance in database lookup or query.

Broad Technology Partner Ecosystem

Solution integrations of more than 100 leading partners ensure the latest technologies: interfaces, authentication, dictation, e-signature, unified communications, printing, USB management, and many more.

Minimize IT Expenses

IGEL OS saves money by minimizing capital expenditures (CAPEX). By extending the life of existing hardware, it delays or eliminates the dreaded “hardware refresh” and the disruption and cost of investing in new devices.

IGEL OS licenses can be moved from one endpoint to another. This “license migration” capability brings immense flexibility to any organization to protect hardware investments and optimize endpoint hardware usage.

Secure from End to End

IGEL OS includes a complete “chain of trust” verification process from the processor (on select IGEL endpoint devices) or UEFI all the way to the host server or cloud. It is thus extremely resistant to manipulation, as well as viruses and other malware.

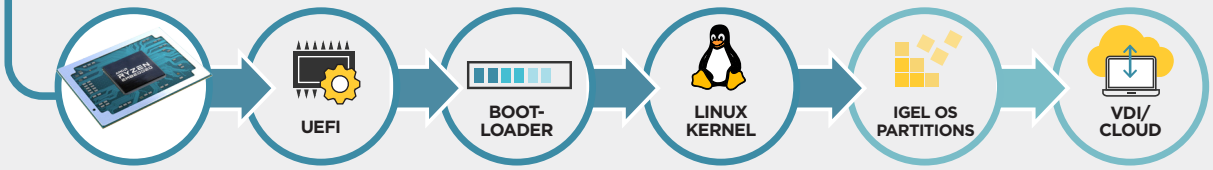
THE IGEL CHAIN OF TRUST

- Ensures all components of your VDI/cloud workspace scenario are secure and trustworthy
- As each component starts it checks the cryptographic signature of the next, only starting it if it is signed by a trusted party (e.g. IGEL, UEFI Forum)

THE PROCESS

0. On the new AMD-driven endpoint models UD3 and UD7 a dedicated security processor checks the cryptographic signature of the UEFI
1. Any UEFI supported devices* with IGEL OS: Chain starts at UEFI
2. UEFI checks the bootloader for a UEFI Secure Boot signature
3. Bootloader then checks the IGEL OS Linux kernel
4. If the OS partitions’ signatures are correct (starting with IGEL OS 11.03), IGEL OS is started and the partitions are mounted
5. For users connecting to a VDI or cloud environment, access software such as Citrix Workspace App or VMware Horizon checks the certificate of the connected server

**with UEFI Secure Boot deactivated the process starts at bootloader (3)*



Easy Management and Control

Universal Management Suite (UMS) software, IGEL’s management solution for IGEL OS-powered endpoints, enables a single IT endpoint administrator to fully manage and control tens of thousands of world-wide distributed endpoints and includes easy, profile-based “drag and drop” endpoint configuration and management. An enterprise-class platform, the UMS can scale to configure and manage up to 300,000 endpoint devices and can integrate with other management, reporting, and trouble-ticketing platforms via its IGEL Management Interface REST API.

IGEL
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for cloud workspaces

Conclusion: Why is IGEL OS the best endpoint OS for modern workspaces?

1. IGEL OS is ***based on Linux***. It provides a lightweight yet rock-solid, time-tested operating system for on-premises and remote endpoints and serves as the ideal next-gen edge OS for cloud workspaces.
2. IGEL OS is ***hardware agnostic*** and converts any comptatible x86-64 device, regardless of manufacturer or form factor, into a highly secure, standardized endpoint.
3. IGEL OS is ***easy on the budget*** by minimizing capital expenditures (CAPEX). The useful life of existing hardware can be extended for years for fewer "hardware refreshes" and IT-disruption, without the cost of investing in new devices in the near future.
4. IGEL OS is ***easy to use***, it features UMS zero-touch deployment and drag-and-drop profiling that can make any IT pro's life much easier.
5. IGEL OS ***helps protect the enterprise*** by moving desktop PC workloads from hundreds or many thousands of endpoints into a secure data center or the cloud. And by replacing Windows on the endpoint, lightweight, modular, read-only IGEL OS essentially takes the endpoints out of the equation when it comes to worrying about security at the edge.
6. IGEL OS seamlessly supports built-in ***enterprise-level security*** with features like two-factor authentication, smart card readers, and trusted execution.
7. IGEL OS includes a complete ***"chain of trust"*** verification process from the processor or UEFI all the way to the host server or cloud. Organizations can be confident that no key step within the initial boot-up process has been tampered with since the previous boot.
8. IGEL OS is ***flexible***: Firmware licenses can be moved and assigned to other devices.
9. IGEL OS is ***modular by design***, wherein unused features can be turned off, giving resources back to the system, and keeping endpoints as "lean" as possible to minimize the attack surface of the device.
10. IGEL OS is designed to be ***highly customizable***. For example, corporate branding or unique screensavers for corporate messaging can make endpoint devices look and perform exactly as desired in accordance with a customer's requirements.
11. IGEL OS features a ***broad technology partner ecosystem*** of more than 100 leading partners. This ensures easy integration of the latest technologies: authentication, dictation, e-signature, unified communications, printing, USB management, and many more.
12. IGEL OS is ***popular***! It has a vast installed base of over 3 million IGEL OS-powered clients used by over 17,000 customers across a broad range of industries.
13. IGEL OS ***stays current***! It is constantly updated with new firmware updates via 4 feature releases a year, and intermediate releases available as needed.

SPECIFICATION

TECHNICAL REQUIREMENTS	
CPU	64-bit support
RAM	≥ 2 GB
SUPPORTED LANGUAGES	
	English, German, French, Dutch, Spanish, Italian, Chinese (simplified and traditional)
ADDITIONAL OFFERINGS	
Software Updates	Regular firmware updates included
Software Maintenance	Ensures all updates, upgrades & future releases
Support Options	Choose between Select, Priority, and Priority Plus support offerings
IGEL Advanced Services	Services and training to guide customers toward a successful rollout of IGEL OS

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