IGEL

DATASHEET

IGEL WORKSPACE EDITION

FOUNDATION FOR CLOUD WORKSPACES AND SOFTWARE-DEFINED ENDPOINTS.

IGEL Workspace Edition serves as the foundation for simple, smart, and secure software-defined endpoints optimized for cloud workspaces. Featuring IGEL OS, the next-gen edge operating system and the Universal Management Suite, Workspace Edition includes all the essential functions required for secure, high-performance delivery of virtual desktop and cloud workspace experiences.

Workspace Edition
Software

Enterprise Management Pack

IGEL **OS** + Endpoints	IGEL **UMS** Management Platform	IGEL **UMS** Extensions

Any 64-bit x86 device

Portable x86 devices

IGEL endpoint devices

All-in-one devices

- Simple, Smart, Secure
- Secure read-only file system
- Over 90+ integrated technologies
- Multimedia Codec-Pack

- Easy, profile-based drag-and-drop configuration and management
- Highly scalable
- Service/system mgmt. integration
- REST API for 3rd party integrations
- HA/disaster recovery
- Custom devices, applications and protocols support

Cloud Gateway for remote device management

Shared user workplace support

Advanced asset management

IGEL Workspace Edition Components

IGEL OS 11

Simple, smart, and highly secure Linux-based software-defined endpoint operating system that runs on any compatible x86 device

Multimedia - Multimedia codec pack to help ensure rich audio, video, graphics

IGEL UMS

Universal Management Suite for easy management and control of up to hundrets of thousands of IGEL OS endpoints

High availability - Redundant server configuration to help ensure non-stop UMS operation

Custom partitions - Custom apps and protocol support

REST API - Programmatic access to other software systems for easy integration into existing computing/reporting environments

Workspace Edition includes the following key software elements:

IGEL OS 11

IGEL OS 11 is the latest version of IGEL's Linux-based endpoint operating system for simple, smart, and secure endpoint control and optimization. IGEL OS turns any compatible x86 device into a secure IGEL-managed endpoint and includes the following:

- Hardware-agnostic – runs on any compatible x86-64 device

- Built-in security – built on highly secure, read-only Linux, multi-factor authentication, smart cards, trusted execution

- Easily customizable firmware per corporate branding, look-and-feel

- Modular configuration – use only the features you want and none that you don't need

- Commitment to lockstep firmware support for Citrix, VMware, Microsoft, Teradici 4x per year

- Support for a vast array of partner technology interfaces and protocols (90+ strong and counting)

- Optimal user experience – start-up time, apps execution, display visuals

- Complete "chain of trust" from hardware SoC/UEFI to target VDI host or cloud: 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)

Rich multimedia experience

Workspace Edition includes a multimedia codec pack that ensures outstanding audio, video, interactive graphics, and unified communications. Constantly updated with the latest versions of the most popular codecs, users from engineers to designers to gamers can experience outstanding multimedia experiences.

Universal Management Suite (UMS)

UMS and its graphical user interface make it easy for a non-expert to control and manage from just a few to over 100,000 IGEL software-defined endpoints with minimal training. In addition to making end user computing management massively scalable yet easy, UMS features simple cloud-based endpoint software licensing where licenses can be portable between any compatible x86 devices, and also includes:

High availability

A high availability option helps ensure continual operation of the Universal Management Suite even if the primary server should become unavailable for any reason. This can prove to be extremely beneficial in larger configurations of hundreds or especially thousands of IGEL software-defined endpoints.

REST API

A REST API allows for easy integration of IGEL UMS with existing management, reporting, and trouble ticketing systems. Often a requirement in many enterprises, the Workspace Edition REST API makes it easy for organizations to exchange information between their IGEL-powered end user computing environment and other software systems.

Custom partitions for non-standard apps and protocols

A "custom partitions" capability allows non-standard applications or protocols to be supported by IGEL OS, and then supported as standard in subsequent software releases. This feature offers great flexibility to organizations who may need to support a "legacy" app or interface, or a new connection to a system or workload that is simply not yet supported as standard by IGEL OS and UMS.

Easy to deploy, operate, and manage

IGEL Workspace Edition can be installed on any compatible x86-64 device, which can enable organizations to save significant money by extending the useful life of their existing devices. Turn any in-house PC, laptop, or hand-held device, from virtually any vendor, into an ultra-secure and highly controlled software-defined endpoint, with all devices managed from a single UMS console. Costly and disruptive "hardware refreshes" can be moved out for years or eliminated altogether. Merger and acquisition activities can be executed with minimal disruption since any x86 compatible device can be easily turned into an IGEL-powered software-defined endpoint. Device configuration and imaging can be accomplished for 20 endpoints or more than 200,000 with ease by a single UMS operator. With Workspace Edition, IT teams can minimize the time and effort needed to manage and control their end user computing environment.

IGEL Workspace Edition – the simple, smart and secure answer for end user computing

As the foundation for IGEL-managed software-defined endpoints, IGEL Workspace Edition includes all essential elements to power an ultra-secure, highly productive end user experience. Able to reside on any compatible x86-64 device including IGEL endpoints, Workspace Edition serves as Step 1 toward vastly easing the everyday life of the IT endpoint administrator.

IGEL OS

TECHNICAL REQUIREMENTS	
CPU	64-bit support
RAM	≥ 2 GB
Flash	≥ 2 GB

UNIVERSAL MANAGEMENT SUITE

COMPATIBILITY	
Supported Devices	IGEL endpoints running IGEL OS 11
	Any x86 device converted to IGEL OS 11 with the IGEL OS Creator
	Devices running Microsoft Windows 7 or 10 with IGEL Unified Management Agent
	Devices running legacy IGEL Linux OS or Win 7 Embedded Standard/Win 10 IoT

SUPPORTED PLATFORMS	
UMS Server*	Oracle Linux 7 (64 bit) Microsoft Windows Server 2012, 2012 R2, 2016, 2019 (64 bit) Ubuntu 16.04, 18.04 (64 bit) Red Hat Enterprise Linux 7, Red Hat Enterprise Linux 8 (64 bit)
UMS Client*	Oracle Linux 7 (64 bit) Microsoft Windows 8.1 , Microsoft Windows 10 (64 bit) Microsoft Windows Server 2012, 2012 R2, 2016, 2019 (64-bit) Ubuntu 16.04, 18.04 (64 bit) Red Hat Enterprise Linux 7, Red Hat Enterprise Linux 8 (64 bit)
Databases*	Oracle 11g R2, 12c Microsoft SQL Server 2012, 2014, 2016, 2917, 2019 (with Cluster Support) PostgreSQL Version 9.5-9.6 and 10.1 Apache Derby 10.9-10.14

SECURITY FEATURES	
	SSL / TLS encrypted communication
	Local client certificates
	User / password authentication
	Active directory groups can be used for granular access control
	Failsafe firmware update management for endpoints
	High availability

SUPPORTED LANGUAGES	
	English, German, French, Dutch, Spanish, Italian, Chinese (simplified and traditional)

ADDITIONAL OFFERINGS

Enterprise Management Pack	Expand your IGEL Workspace with value-added features
Software Maintenance	Be sure to get 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

* please see kb.igel.com for details

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⚡IGEL®
next-gen EDGE OS
for cloud workspaces