SOFTWARE DATA SHEET

ina os

The concise technical document that outlines the key features, system requirements, and capabilities of a software product

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OVERVIEW

Ina OS is a high-performance, modular, and versatile open-source operating system engineered to meet the demands of diverse computing environments — from personal workstations and embedded systems to enterprise-grade server solutions.

Designed with flexibility and efficiency in mind, Ina OS delivers a seamless user experience while maintaining robust security and scalability for both individual users and corporate deployments.

KEY FEATURES & ADVANTAGES (1)

Comprehensive Application Ecosystem

Ina OS features a built-in Application Store, offering access to thousands of free and premium applications across productivity, development, multimedia, and more. This centralised hub ensures effortless software discovery and installation, eliminating compatibility concerns.

Broad Hardware & Peripheral Compatibility

With extensive driver support, Ina OS seamlessly integrates with a wide range of hardware architectures and peripheral devices, ensuring optimal performance across desktops, laptops, industrial systems, and IoT deployments.

Unmatched Application Support

Ina OS breaks barriers with extended compatibility, supporting multiple application formats including:

- Web-based apps (PWA).
- Traditional .deb packages (Debian-based software).
- Flatpak and AppImage for universal, dependency-free installations.
- Even Windows .exe applications via advanced compatibility layers, bridging the gap between platforms.

KEY FEATURES & ADVANTAGES (2)

Optimised for Gaming & Multimedia
Gamers and content creators benefit from native support for Steam, Lutris, and other gaming platforms, including seamless execution of Windows-only titles. Enhanced graphics rendering and low-latency performance make Ina OS a strong contender in the gaming and creative industries.

High-Performance Computing & Energy Efficiency
Engineered for modern hardware, Ina OS is optimized for multi-core CPUs and energy-efficient devices, ensuring smooth operation on high-end workstations as well as low-power embedded systems.

OEM-Friendly Deployment
For hardware manufacturers, Ina OS offers a customizable OEM version, enabling effortless pre-installation on PCs, laptops, and specialized devices. This streamlined integration reduces development overhead while providing a polished out-of-the-box experience for end users.

Built on the Linux Kernel (right now 6.8, update is under development)
Leveraging the Linux kernel 6.8, Ina OS delivers cutting-edge performance, enhanced security, and improved hardware support, ensuring long-term stability and innovation.

SOFTWARE COMPATIBILITY

There are no any special limitations for software development for Ina OS.
All classic approaches and popular frameworks supported by other Linux systems could be used.

Programming Languages
- **System: C, C++, Python.**

- **Applications: C, C++, Python, Flutter, JavaScript, Go** and wide range of other.

User Interfaces
- **UI SDKs: GTK4, Libadwaita** are recommended for applications but are not mandatory.

Windows Compatibility
- **Bottles** provides extended support of wide list of frameworks and SDKs for Windows.

- **PortProton** provides support for Windows based games.

- **Steam** provides compatibility for wide range of presented Windows only games.

- **Lutris** provides support for Windows based games.

SOFTWARE SUBMISSION (1)

Ina OS provides embedded Application Store with wide range of functionality:

- **Featuring** of applications
- **Grouping** into categories
- **Customisation** of application appearance (icon, screenshots, description etc.)
- **Updates** of installed applications
- **Integration of flathub.org** platform and support of updates via graphical interface
- **Black and white** lists of applications
- **Off-line search**
- **Application uninstall** via graphical interface

SOFTWARE SUBMISSION (2)

Application Store combine together Ina OS native .**deb** repositories and non affiliated Flathub repositories for **flatpak** applications.

Application Store (Ina OS native repositories)
- Next information is required:
  - Application name and description.
  - (optional) Prepared .**deb** version of application package (same as for Ubuntu or Debian).
  - Send us message via **Contact Us form** on **indusina.com**.
    - Upon next communication we will request more information, such as screenshots, icons, update notes and etc.

Application Store (Flathub repositories)
- Publish your application to **flathub.org** portal via **manual**.
- (optional) Send us message via **Contact Us form** on **indusina.com** to update or modify information about software in Application Store (we provide custom icons, descriptions, screenshots and etc.)

DOCUMENTATION & SUPPORT

- Website: indusina.com

- Wiki: wiki.indusina.com

- Customer Support over messenger

- Commercial Support over request

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