

# JOHNAIC

## Introduction

JOHNAIC is your personal AI server. You can use it to run many AI and software as a service (SaaS) applications on it and access them from anywhere while still owning your data.



In this document, we discuss the specification of JOHNAIC and the features of built-in operating system (OS). We'll also discuss in detail the steps required from the customer so that JOHNAIC is well integrated into the workflow of the customer.

## Robust and Reliable AI Hardware

JOHNAIC comes with following hardware:

1. Intel i5 12400 CPU
2. Intel Arc 770 16 GB GPU
3. 64 GB RAM
4. 1 TB SSD
5. 1100 VA UPS (optional)

Its peak rated power draw will be 500W. Using UPS, the system will be powered on for about 15 minutes if there's a power outage. Customer should ensure the power is back on within 15 minutes for best experience. We also recommend connecting their Wifi router to this UPS for uninterrupted remote access. If wifi router can not be moved, a UPS for wifi is also sold separately.

## Powerful Suite of Default Applications

JOHNAIC will come with GNU/Linux based operating system. You will be able to access the terminal and build your own applications if you so choose. It will come with very useful set of default applications that can help you get started out of the box. In a true GNU fashion, you will also get sources to the apps so that you can modify the applications to your needs.

Here is the out of the box experience

Type	Name	Description	Closed Source Equivalent	Website	Source Code
Operating System	 debian	Completely opensource and ultra hackable to your needs	Windows	<a href="https://www.debian.org">debian.org</a>	<a href="#">Source Code</a>
Package Manager	 Guix	Functional package manager that doesn't require root to install packages	NA	<a href="https://guix.gnu.org">guix.gnu.org</a>	<a href="#">Source Code</a>
AI Drivers/SDK	 oneAPI	Out of the box SDK to develop AI apps. No separate installation required.	CUDA	<a href="https://intel.com">intel.com</a>	<a href="#">Source Code</a>
Large language model (LLM)	 LLAMA by  Meta	GPT-3.5 level model that runs locally on your JOHNAIC	GPT-3.5	<a href="https://llama.meta.com">llama.meta.com</a>	<a href="#">Source Code</a>
LLM Runtime	 Ollama	Run AI models such as LLAMA3 using simple commands	OpenAI APIs	<a href="https://ollama.ai">Ollama</a>	<a href="#">Source Code</a>
Communication	 matrix	Decentralised and secure communication server that interoperates with WhatsApp, Google Chat etc	Slack	<a href="https://matrix.org">matrix.org</a>	<a href="#">Source Code</a>

Knowledge Base		Your team's knowledge base hosted on your JOHNAIC. Allows collaborative editing	Confluence	<a href="http://getoutline.com">getoutline.com</a>	<a href="#">Source Code</a>
Enterprise resource Planning	 ERPNext	A suite of softwares to run your business including HRMS, CRM and accounting	SAP	<a href="http://erpnext.com">erpnext.com</a>	<a href="#">Source Code</a>
Project manager		Issue tracking, release management and agile software to manage your projects	JIRA	<a href="http://plane.so">plane.so</a>	<a href="#">Source Code</a>
Identity manager		OpenID Connect server that can be used to authenticate you and your employees	Auth0	<a href="http://keycloak.org">keycloak.org</a>	<a href="#">Source Code</a>
Workflow automation		No code business automation service	Zapier	<a href="http://activepieces.com">activepieces.com</a>	<a href="#">Source Code</a>
Data ETL pipeline		Import data from your SaaS apps into a database	-	<a href="http://airbyte.com">airbyte.com</a>	<a href="#">Source Code</a>
Data analysis and visualisation	 Metabase	Analyse your business data and build dashboards that matter	PowerBI	<a href="http://metabase.com">metabase.com</a>	<a href="#">Source Code</a>
No code app builder		Build applications with no code. A modern spreadsheet.	Airtable	<a href="http://nocodb.com">nocodb.com</a>	<a href="#">Source Code</a>

## Key Information

Installation experience is similar to that of installing internet. For optimal experience, the customer can set up their own domain name for remote access. In case the customer doesn't own a domain, we assign a free subdomain to the customer. Multiple users can access the system. Customer can easily add additional users to each application as required.

50% of the price is paid when order is placed and 50% when the system is delivered and setup. Delivery will be done in 2-3 days. Installation procedure will be scheduled with the customer and will be completed in a day.

Hardware will come with 3 year limited warranty. For support, please contact us at [wa.me/919892727514](http://wa.me/919892727514).



*"People who are really serious about software should get their own hardware"*

- Alan Kay, pioneer of personal computing