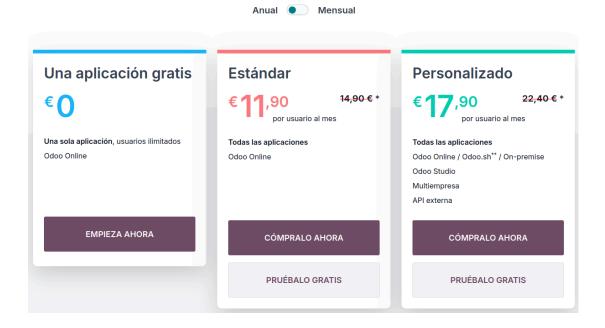# Bar Retina 2

1. Odoo

Odoo is a modular, freeware ERP that offers a great set of features for both small and large businesses. It is particularly appreciated for its flexibility and its ability to integrate multiple areas of the business, with an intuitive user interface.

Licensing and cost analyses:

- **License:** Odoo offers two versions: **Odoo Community**, which is free and open source, and **Odoo Enterprise**, which is paid and includes additional functionality such as technical support and integration with other services.
- **Costs:** Odoo Community is completely free, but the Enterprise version has a cost that varies according to the number of users and the modules chosen. For **Odoo** we have 3 different rates, we have the free one, the standard one that costs €14.90 and the customized one that costs €22.40 with all the applications and offers the same application, already customized templates to start using it. The only drawback is the price, which is only for one user.

Anual ⬤ Mensual

Una aplicación gratis

€0

Una sola aplicación, usuarios ilimitados
Odoo Online

EMPIEZA AHORA

Estándar

€11,90   14,90 € *
por usuario al mes

Todas las aplicaciones
Odoo Online

CÓMPRALO AHORA

PRUÉBALO GRATIS

Personalizado

€17,90   22,40 € *
por usuario al mes

Todas las aplicaciones
Odoo Online / Odoo.sh** / On-premise
Odoo Studio
Multiempresa
API externa

CÓMPRALO AHORA

PRUÉBALO GRATIS

Platforms where it can be installed:

- **Hardware and operating system requirements:**
    - It can be installed on **Windows**, **Linux**, and **macOS** operating systems.
    - Odoo is also available in the cloud, offering flexibility for businesses that don't want to worry about managing servers.
    - At the hardware level, it does not require particularly powerful equipment, but for large implementations it is recommended to have a dedicated server with at least 4 GB of RAM and a multi-core processor.

Functional modules:

- **POS (Point of Sale):** Module specially designed to manage POS terminals, compatible with physical POS and integrated with inventory.
- **Sales management:** To manage budgets, invoices, payments, and order tracking.
- **Inventory:** Control of product levels, management of locations, inputs and outputs of products.
- **CRM:** Management of the relationship with customers, tracking of potential sales and loyalty.
- **Accounting:** Complete accounting management, including financial accounting, balance sheet and invoicing.
- **Marketing:** Marketing campaigns, email marketing, and integration with social networks.

Database type:

- **Database:** Use **PostgreSQL** as the default database.

Possibility of customization:

- **Personalization**: Very high, since Odoo is open source. Users can develop custom modules and modify existing ones, this can be done in the free plan, but if you implement the Studio, it will become custom.
- **Programming language**: Use **Python** for the backend logic i **JavaScript** for the frontend. It is ideal for developers who want to customize it thoroughly.

Information available to install it and manuals:

- Odoo has very extensive and well-organized documentation on its official website, with installation, configuration and usage guides. It also has an active community that provides support and advice.

Other information of interest from the manufacturer:

- **Updates**: Odoo regularly updates its software, both Community and Enterprise versions.
- **community**: It has a very active community that contributes additional modules and functionality, as well as providing technical support through forums.
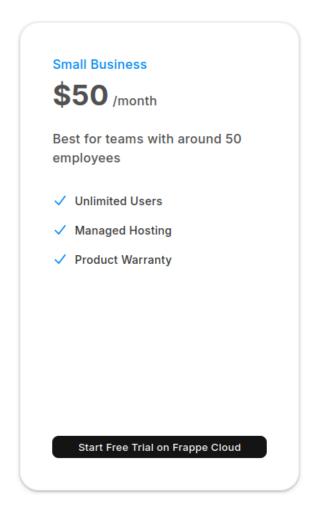
Main distributors:

- Odoo can be downloaded directly from its official page, or the Enterprise version can be acquired through official partners distributed throughout the world.
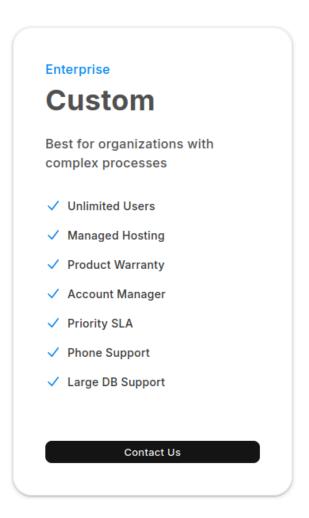
2. ERPNext

ERPNext is an open source ERP solution, similar to Odoo, that offers a wide range of modules to manage different areas of the business. It is particularly popular among small and medium-sized businesses thanks to its simplicity and low cost.

Licensing and cost analyses:

- **license**: ERPNext is completely open source under license **GNU GPL**.
- **Costs**: The self-hosting version is free. There are also different rates for using ERPnext, we have the version **Small Business**, which offers us users unlimited, better administration and product guarantee for €50 a month and then we have Enterprise which can be customized and the price will depend on the things we want to hire.

Small Business

$50 /month

Best for teams with around 50 employees

✓ Unlimited Users

✓ Managed Hosting

✓ Product Warranty

Start Free Trial on Frappe Cloud

Enterprise

Custom

Best for organizations with complex processes

✓ Unlimited Users

✓ Managed Hosting

✓ Product Warranty

✓ Account Manager

✓ Priority SLA

✓ Phone Support

✓ Large DB Support

Contact Us

Platforms where it can be installed:

- **Hardware and operating system requirements**:
  - It can be installed in **Linux**, **Windows**, the **macOS**. It is also available in a cloud version.
  - At the hardware level, like Odoo, ERPNext is lightweight, but it is recommended to use a server with at least 2-4 GB of RAM for a small to medium-sized implementation.

Functional modules:

- **POS (Point of Sale)**: A specific module for the management of point of sale terminals, with direct integration with inventory management.
- **Sales management**: Tracking budgets, orders, payments and invoicing.
- **inventory**: Stock management, location control and product levels.
- **CRM**: Customer tracking, lead creation, and relationship management.
- **accounting**: Complete solution for the management of general accounting, balance sheet, invoices and payments.
- **Human resources**: Personnel management, payroll and time control.

Compared to Odoo, it gives us more HR information and Odoo more marketing information.

Database type:

- **Database**: Use **MariaDB** as the primary database, but is also supported by **PostgreSQL**.

Possibility of customization:

- **Personalization**: Highly customizable, since it is open source. It offers the possibility of creating new modules or modifying existing ones.
- **Programming language**: ERPNext is written in **Python** and uses **JavaScript** for the frontend, similar to Odoo.

Information available to install it and manuals:

- ERPNext offers detailed documentation on its website, with guides for installation, configuration and use. It also provides us with different ways to install it.

Other information of interest from the manufacturer:

- **Updates**: ERPNext is kept up-to-date thanks to its active developer community and the foundation that oversees the project.
- **community**: It has an international community with active support forums and user meetings.

Main distributors:

- ERPNext can be downloaded directly from its website or use its paid version in the cloud. There are also official partners that offer customization and implementation services.

3. SAP Business One

SAP Business One is a robust ERP designed especially for small and medium businesses. Unlike the other two solutions, it is proprietary software, but offers a comprehensive and scalable solution for business management.

Licensing and cost analyses:

- **license**: SAP Business One is sold under a subscription licensing or perpetual license model.
- **Costs**: The initial cost can be high. The price usually varies according to the number of users and the modules purchased. Generally, the cost is around €50 to €100 per user/month. Depending on the users and the modules you want, they will have different costs.

- **El coste de la licencia de SAP Business One Professional es de 2.700€.** Si quieres una más limitada en funcionalidades, 1.400€. La versión limitada se centra a un área específica de la empresa (finanzas, logística, CRM).

- Si quieres la versión cloud, el coste es de 91€/mes para la versión Professional, y de 54€/mes/usuario para la versión limitada.

Platforms where it can be installed:

- **Hardware and operating system requirements**:
    - It can be installed both in **Windows** as in servers **Linux** for implementations with SAP HANA.
    - SAP Business One can also be deployed in the cloud, using third-party infrastructures such as **Amazon Web Services** (AWS) o **Microsoft Azure**.
    - Requires a server with at least 8GB of RAM for small deployments.

Functional modules:

- **POS (Point of Sale)**: Integration with POS to manage sales and synchronize them with inventory and accounting.
- **Sales management**: Management of budgets, sales orders and invoicing.
- **inventory**: Inventory control, lot tracking, quality control, and warehouse management.
- **CRM**: Customer management, potential sales, campaign tracking and customer service.
- **accounting**: Complete accounting management, including balance sheets, financial reports and accounting consolidation.
- **production**: For manufacturing companies, SAP Business One includes a production planning and control module.

Database type:

- **Database**: SAP Business One can work with two databases: **Microsoft SQL Server** the **SAP HANA**.

Possibility of customization:

- **Personalization**: Offers customization through its **SDK** (Software Development Kit). Users can develop specific add-ons or plugins.
- **Programming language**: SAP Business One uses **ABAP** as the main language, but can also be customized with **C#**, **.NET** the **Java**.

Information available to install it and manuals:

- SAP provides very detailed manuals, implementation guides, and technical documentation through its official partners. In addition, many training courses are available, including official SAP certifications.

Other information of interest from the manufacturer:

- **Updates**: SAP keeps its software up to date with new functionality and constant improvements. SAP Business One also benefits from SAP's research and development in the ERP sector.
- **Technical support**: SAP provides professional technical support through its certified partners.

Main distributors:

- SAP Business One is distributed exclusively through **Authorized SAP Partners** that offer implementation, customization and after-sales support services.

Summary

- **Odoo** i **ERPNext** are two open source options, with great flexibility and scalability for small businesses like POS Bar Retina.
- **SAP Business One** it is a more robust and comprehensive option, but with a higher initial cost. Ideal for companies that need a higher-level enterprise solution, although it may be overkill for small businesses that don't need as much functionality from the get-go.

Webography:

Prices Odoo:

https://www.odoo.com/es_ES/pricing

Installation Odoo:

https://www.odoo.com/es_ES/page/download

Prices ERPNext:

https://erpnext.com/pricing

Installation ERPNext:

https://docs.erpnext.com/docs/v13/user/manual/es/introduction/getting-started-with-erpnext

Prices SAP Business One:

https://www.cronomia.com/software/sap-business-one

Installation SAP Business One:

https://www.dropbox.com/scl/fi/1ziykgt3i2fbb4tfyba5h/MANUAL-INSTALACION-SAP.doc?rlkey=9pqbg8f78tmm7lluzmcsq4mf5&e=2&dl=0