Loftware™ NiceLabel

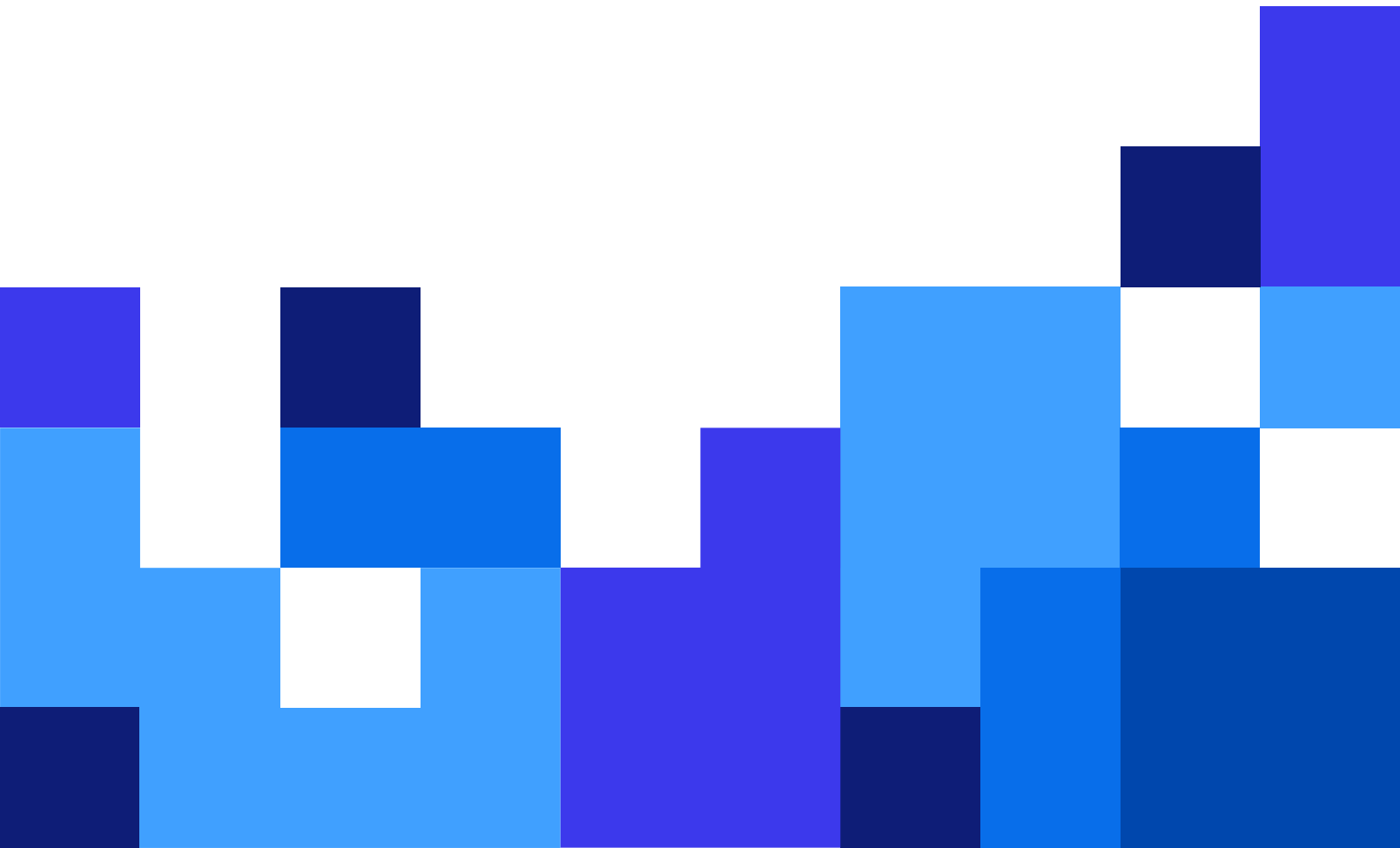# System Requirements

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1. System Requirements

Use **Minimum requirements** to print from simple NiceLabel solutions when no other applications are running on your system. Use **Recommended requirements** to use multiple printers and print large amounts of labels.

The optimal production environment configuration depends on your situation and the complexity of your individual labeling projects.

NiceLabel 10

Applies to: NiceLabel Desktop Designer, NiceLabel Print, NiceLabel Automation, and NiceLabel Web Client.

	Minimum requirements	Recommended requirements
CPU	Intel or compatible x86 family processor.	Intel or compatible x86 family quad-core processor. [1]
Memory (RAM)	4 GB	8 GB[2]
Available disk space	5 GB	20 GB, SSD storage
32-bit or 64-bit Windows operating system	Windows: 11, 10, 8.1 Windows Server: 2022[3], 2019[3], 2016[3]	Windows: 11, 10 Windows Server: 2022[3], 2019[3]
Microsoft .NET Framework	Microsoft .NET Framework Version 4.7.2 or newer.	The latest Microsoft .NET Framework version.
Display	1366×768	1920x1080
Recommended printer drivers	NiceLabel printer drivers Version 7 or newer.	The latest NiceLabel printer driver version.

[1] Multiple cores enable faster printing and concurrent triggers in NiceLabel Automation. Each core runs a print process independently.

[2] If you use multiple printers, you need at least 8 GB RAM for high-speed printing.

Use 4 GB memory for 1 print per second on several printers.

Use 8 GB or 16 GB memory for multiple prints per second on hundreds of printers.

[3] Windows Server Core and Windows Nano Server are not supported.

App-V is not supported. You can use NiceLabel applications in Citrix environments.

Additional requirements:

- **Open port 6772 TCP/UDP** for inbound communications when NiceLabel software runs with a perpetual license. This port is irrelevant when your NiceLabel runs with subscription.

NiceLabel Control Center and NiceLabel Web Printing

	Minimum requirements	Recommended requirements
Memory (RAM)	4 GB	16 GB[1]
Available disk space	10 GB	100 GB, SSD storage[2]
32-bit or 64-bit Windows operating system	Windows: 11, 10, 8.1 Windows Server: 2022[3], 2019[3], 2016[3] Windows Home editions are not supported.	Windows: 11, 10, 8.1 Windows Server: 2022[3], 2019[3] Windows Home editions are not supported.
Microsoft .NET[5]	Microsoft .NET Version 8.0.2	Microsoft .NET Version 8.0.2
Database server	Microsoft SQL Server: 2022, 2019, 2017, 2016 SQL Express editions are also supported[4].	Microsoft SQL Server: 2022, 2019, 2017 SQL Express editions are also supported[4].
Internet Information Services (IIS)	V7	The latest version
Supported browsers	Microsoft Edge, Google Chrome, Mozilla Firefox, or Safari.	The latest versions of Microsoft Edge, Google Chrome, Mozilla Firefox, or Safari.

[1] If you use multiple printers, you need 16 GB RAM for high-speed printing.

Use 4 GB memory for occasional printing.

Use 8 GB memory for 1 print per second to several printers.

Use 16 GB memory for multiple prints per second to hundreds of printers.

[2] Printing logs and your printing solutions take additional disk space. If you install SQL database on the same server as Control Center, you need more storage.

[3] Windows Server Core and Windows Nano Server are not supported.

[4] SQL Express is free but has a 10 GB database size limit. Your growing printing logs may exceed this limit.

Additional requirements for Control Center and Web Printing:

- **Default web site enabled in IIS** for Control Center.

- **Using port 80 (HTTP) or port 443 (HTTPS)**. Running Control Center on other ports is not supported.

- **Open port 6773 TCP/UDP** for inbound communications.

- **Support for WebDAV protocol:** Windows 10 enables support out of the box. You have to add support for Windows Server operating systems. See details in this KB article.

- **JavaScript available:** Enable **Active scripting** under **Internet options** > **Security** > **Internet zone** > **Custom level...** > **Scripting**.

- To use **Digital Signatures**, the computer where you install Control Center must be able to authenticate users. NiceLabel calls the LogonUserW function from Windows API to attempt to log users ontoo the local computer and validate the provided credentials.

- Allow **HTTP verbs**:

    - **HEAD**

    - **OPTIONS**

(5) Only for Control Center.

License Center

> **NOTE**
>
> To sign in, you need a Microsoft or Google account.
>
> NiceLabel supports Microsoft and Google authentication.

These are requirements for clients to connect to their License Center.

- Outbound Internet connectivity to `license.onnicelabel.com`

    - Port 443/TCP to access License Center's user interface in the browser.

- Add the following sites to your **Trusted sites** (**Internet options** > **Security settings**):

    - For Microsoft authentication:
      `https://aadcdn.msauth.net`
      `https://*.onnicelabel.com`
      `https://login.microsoftonline.com`
      `https://aadcdn.msftauth.net`
      `https://login.live.com`

    - For Google authentication:
      `https://*.onnicelabel.com`
      `https://accounts.google.com`
      `https://ssl.gstatic.com`

- **Recommended browsers:** Use the latest editions of Edge, Chrome, Firefox, or Safari.

NiceLabel printer drivers

- **32-bit or 64-bit Windows operating systems:** Windows: 11, 10, 8.1. Windows Server: 2022[1], 2019[1], 2016[1]

[1] Windows Server Core and Windows Nano Server are not supported.