

NiceLabel 5.4 Enterprise Series - Technical Specifications

NiceLabel Print Center

The enterprise solution for client-based label printing and centralized systems management.

The NiceLabel Print Center includes the following modules:

- o NiceLabel Enterprise Print Manager: a web-based enterprise module for remote printer, print queue, event and alert control and management.
- o NiceLabel Suite: a full-featured, modular labeling solution for label design, integration and professional label printing on client workstations.

NiceLabel Print Center features:

- o Design and print labels locally on workstations.
- o Centralized control over entire printing process.
- o Real-time printer status monitoring.
- o Multi-channel alerting of important system events.
- o Centralized licensing server for NiceLabel clients.
- o Optional centralized management of NiceLabel program settings.
- o Print labels over the web using your Internet browser and no locally installed NiceLabel software or NiceDrivers.
- o Support for Document Storage Server to centrally store all labels and forms your users need.
- o Reprint labels from remote workstations.

NiceWatch Enterprise

The enterprise solution for centralized integration of multi-threaded and high-volume label printing.

The NiceWatch Enterprise includes the following modules:

- o NiceWatch Server: the high-throughput production module for enterprise-level centralized label printing integration.
- o NiceLabel Enterprise Print Manager: a web-based enterprise module for remote printer, print queue, event and alert control and management.
- o NiceLabel Pro: The advanced label designer for professional bar code and RFID labeling.

NiceWatch Enterprise features:

- o Integrates label printing process into Enterprise Resource Planning (ERP) systems, Warehouse Management Systems (WMS), Hospital Information Systems (HIS) or any other type of business information systems.
- o Applications and systems initialize label printing from a centralized location.
- o Multi-threaded label printing execution to ensure fast and stable operation where many print requests happen simultaneously.
- o Optional support for HTTP trigger.
- o Optional support for SAP® All component of SAP NetWeaver.
- o Optional support for the HL7 global messaging standard.
- o Support for Document Storage Server to centrally store all labels and forms your users need

NiceLabel Enterprise Print Manager (EPM)

The Enterprise Print Manager is a web-based module that you can access from any workstation on your network or through the Internet. It offers the following features:

- o Remote control of the label printing process through the company's Intranet and the Internet.
- o Central print management – printer status, print queues, print job redirecting.
- o Logging functionality – centralized logging of all the information on print jobs, actions, errors and other events.
- o Multi-channel alerting and messaging services – configure email, NetSend, RSS feed and SMS alerts to inform about label printing status, warning and errors.
- o Allow web users to print their labels to their printers without any local installation of NiceLabel software or NiceDrivers
- o Document Storage Server to allow local and remote users working with one set of centrally stored files
- o Database archiving to keep database size in limits.
- o Flexible licensing for NiceLabel Print Center, NiceWatch Enterprise and NiceLabel client computers.
- o Centralized logging of executed NiceWatch actions.
- o Centralized logging of executed NiceWatch Server actions (if EPM is used with NiceWatch Enterprise).
- o Remote NiceWatch Server trigger management (if EPM is used with NiceWatch Enterprise).

NiceLabel Print Center system requirements

Minimum configuration

To install and run this product with Enterprise Print Manager you need at least the following server configuration:

- o Computer with Intel or compatible Pentium class processor (1 GHz or faster recommended)
- o At least 512 MB of RAM
- o Hard disk with 1.6 GB of available disk space (for daily printing of up to 100.000 labels and EPM database daily archiving enabled)
- o CD-ROM drive
- o Microsoft Windows 2003 Server with SP1
- o Microsoft SQL Server 2005 Express (available on NiceLabel Print Center installation CD or downloadable from www.microsoft.com/downloads/)
- o Microsoft .NET Framework Version 4.0 (automatically installed (or referenced to Microsoft download page) during NiceLabel Print Center setup if not available yet)
- o IIS5 or higher installed
- o Administrative rights to the local computer during installation

Recommended configuration

For optimal performance the Microsoft SQL database should be installed on a separate server.

Configuration for the **Print Center (with EPM) server**:

- o Computer with Intel or compatible Pentium class processor (1,6 GHz or faster)
- o 1 GB of RAM or more
- o Hard disk with 1 GB of available disk space
- o CD-ROM drive
- o Microsoft Windows 2003 Server Edition, Web Edition, Enterprise Edition or Datacenter Edition; all with SP1
- o Microsoft .NET Framework Version 4.0
- o IIS6 installed
- o A domain user account to access the database on a separate server is needed
- o Administrative rights on the local computer during installation

Configuration for the **SQL database server**:

- o Computer with Intel or compatible Pentium class processor (1 GHz or faster)
- o 1 GB of RAM or more
- o Hard disk with 2 GB of available disk space (actual consumption depends on the amount of printed labels and the EPM database archiving frequency)
- o Microsoft Windows 2003 Server Edition, Web Edition, Enterprise Edition or Datacenter Edition; all with SP1
- o Microsoft SQL Server 2005 Workgroup Edition, Standard Edition, Developer Edition or Microsoft SQL Server 2000.

NiceLabel workstation requirements (Suite and Pro):

- o Pentium based computer with at least 128 MB of RAM
- o One of the 32-bit and 64-bit Windows operating systems: Microsoft Windows 2000, XP, Server 2003, Server 2003 R2, Vista, Server 2008, Server 2008 R2 or Windows 7
- o Hard disk with 160 to 550 MB of free disk space (depending on the installation options)
- o CD-ROM drive
- o Administrative rights on the local computer during installation
- o Internet Explorer 6.0 or more (for Web printing and accessing the Document Storage Server)

NiceWatch Enterprise system requirements

NiceWatch Enterprise consists out of two components, **NiceWatch Server** and **Enterprise Print Manager (EPM)**.

- o NiceWatch Server can be installed on the any of the supported Windows workstation or server-based OS, such as: Windows 2000, XP, Server 2003, Server 2003 R2, Vista, Server 2008, Server 2008 R2 or Windows 7
- o EPM requires Windows server-based OS, such as: Windows Server 2003, Server 2003 R2, Server 2008, Server 2008 R2
- o EPM also requires a Microsoft SQL database server, version 2005 or 2008, Express edition or higher

Minimum configuration:

To install and run this product without Enterprise Print Manager, you need at least the following configuration:

- o Computer with Intel or compatible Pentium class processor (1 GHz or faster recommended)
- o At least 512 MB of RAM
- o Hard disk with 1 GB of available disk space (actual consumed disk space depends on the amount of printing activity)
- o CD-ROM drive
- o Microsoft Windows XP with SP2 or Microsoft Windows 2000 Server with SP4 or Microsoft Windows 2003 Server with SP1
- o Administrative rights to the local computer during installation

Recommended configuration

For optimal performance and ability to manage your printing environment remotely with EPM a solution with two computers is recommended.

Configuration for the NiceWatch Server and EPM server:

- o Computer with Intel or compatible Pentium class processor (1,6 GHz or faster)
- o 1 GB of RAM or more
- o Hard disk with 1.2 GB of available disk space
- o CD-ROM drive
- o Microsoft Windows 2003 Server Edition, Web Edition, Enterprise Edition or Datacenter Edition; all with SP1
- o Microsoft .NET Framework Version 4.0
- o IIS6 installed
- o A domain user account to access the database on a separate server
- o Administrative rights on the local computer during installation

Configuration for the SQL database server:

- o Computer with Intel or compatible Pentium class processor (1 GHz or faster)
- o 1 GB of RAM or more
- o Hard disk with 2 GB of available disk space (actual consumption depends on the amount of printing activity and the EPM database archiving frequency)
- o Microsoft Windows 2003 Server Edition, Web Edition, Enterprise Edition or Datacenter Edition; all with SP1
- o Microsoft SQL Server 2005 or Microsoft SQL Server 2000

Printers supported

- o All printers with a Windows driver
- o Native thermal and ink-jet printer support using powerful 32-bit and 64-bit NiceDrivers:
Allen, Altec, A-POS, Argox, ATD, Avery, Beiyang/SNBC, Bixelon, Blazepoint, Brady, CAB, Carl Valentin, Century, Citizen, Cognitive, Compuprint, Comtec, Datamax, Dobler, Domino, Eltron, EPC, Etimark, Extech, Facit, General Code, Genicom, GOD BM, Godex, IBM, ILS, Imaje, Infoprint Solutions, Intermec, Italaria, ITD, Korho, Lapis, Markem, Markpoint, Mectec, Meto, Microcom, Monarch, MPH, NARI (Wuhan), Novexx, O'Neil, Open Date, Pago, Paxar, Postek, Printronix, QLS, Ring, Sartorius, SATO, TallyGenicom, TEC, Tharo, Toshiba, TSC, UBI, Unimark, Wasp, Zebra, Ziptape.
- o Printer status monitoring using bidirectional drivers (selected print families only – for the latest information please refer to the NiceDrivers web page at www.nicelabel.com).

Input Data Sources

Triggers:

File trigger, serial (COM) port data trigger, email trigger, TCP/IP trigger, and database trigger.
Optional: HTTP trigger, Web Service trigger, SAP® All trigger.

Other External Data Sources:

XML and Oracle XML files, HL7 formatted files (used with incoming data filter for HL7 analysis), DDE, ActiveX (Automation) programming interface, command line, command file, e-mail message, data coming from a serial (COM) port or TCP/IP ports, unstructured files (report file, printer command file) and many others

Unicode Data Encoding and Processing

NiceLabel products are Unicode aware software. The Unicode encodings (like UTF-8 and UTF-16) are supported in database files and also in the plain text files (.TXT, .CSV, .XML). The data encodings are automatically recognized.

Program Languages

NiceLabel 5.0 Enterprise Series: English

NiceLabel 5.0 Standard Series: Chinese (Simplified and Traditional), Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Hebrew, Hungarian, Italian, Japanese, Korean, Lithuanian, Norwegian, Polish, Portuguese, Portuguese (Brazil), Russian, Slovak, Slovenian, Spanish, Swedish, Thai, Turkish, Ukrainian (*some software modules are translated in a limited number of languages)

Refer to NiceLabel v5 Standard Series Technical Specifications document for information about:

- o Graphic files
- o NiceLabel database support
- o Radio Frequency Identification (RFID) support
- o Supported bar codes and 2-D symbologies
- o AI-Standards and Compliance Labeling

Last document update: October 2011

Please visit www.nicelabel.com for the latest information!