

NiceLabel 5.4 Developer Series - Technical Specifications

Developer Series

NiceLabel SDK

The label printing solution for Windows application developers.

Enables software publishers to integrate professional bar code and RFID smart label printing into their desktop software product.

- All features of NiceLabel Pro
- Component integration demands a programming platform
- Easy integration of label printing
- Ease of programming integration
- Ease of embedded printing
- Ease of deployment Visual Basic scripting
- Includes the NiceLabel Engine License Pack and License File

NiceLabel WebSDK

The label printing solution for Web application developers.

Enables Web developers to integrate label printing technology into their applications running on a Web server.

- All features of NiceLabel Pro
- Includes WebSDK Web services (Print Service and Storage Server)
- Printing on client-connected printers (internet printing)
- Includes optimized Windows printer drivers

NiceLabel PocketSDK

The label printing solution for Windows Mobile application developers.

Enables software publishers to integrate professional bar code and RFID smart label printing into their mobile software product.

- All features of NiceLabel Pro
- Ease of deployment with .NET assembly interfaces
- Easy integration of NiceLabel functionality into the application's installation wizard
- Distributed label printing – printing through a NiceWatch print server
- Easy-to-use PocketSDK toolset

NiceLabel Pro

The advanced label designer for professional bar code and RFID labeling.

Includes complete database support, user and document security and integration options. A wide range of features and options makes this a powerful, but easy-to-use tool for any labeling requirement.

- All features of NiceLabel Express
- Complete database connectivity
- Advanced label design and printing tracking
- Linked fields and other data processing features
- Visual Basic scripting
- Batch printing supporting header/tail label
- Specialized bar code wizards for advanced compliance standards (HIBC, FACT, Transfer Syntax)
- RF ID smart label interface
- User management
- Complete stand-alone printing support

System requirements

- 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 MB to 550 MB of free disk space (depending on the installation options). CD-ROM drive
- o Windows Mobile Software for Pocket PC 2003, Windows Mobile 5.0 for Pocket PC, Windows CE .NET 5.0 and higher or any other mobile device that supports Microsoft .NET Compact Framework 2.0 for Pocket NiceLabel application.

Printers

- 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, Bixolon, 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, Itabora, ITD, Kortho, 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 (select print families only – for the latest information please refer to the NiceDrivers page on the NiceLabel homepage)

Database

- o Native text file support (ASCII and CSV files)
- o OLE DB and ODBC database drivers (Excel, Access, Oracle, MS SQL Server and others)
- o Borland Database Engine (BDE, for a direct dBase and Paradox support) and SQL Links (Oracle, SQL Server, Interbase...)
- o Query builder and custom SQL scripting

Other External Data Sources

XML and Oracle XML files, 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

Graphic files

BMP, CUR, DIB, EMF, FAX, G3F, G3N, GIF, ICB, ICO, J2K, JP2, JPC, JPE, JPEG, JPG, PCX, PIX, PNG, PPM, PXM, RLE, TARGA, TGA, TIF, TIFF, VDA, VST, WMF

Radio Frequency Identification (RFID) support

NiceLabel offers full support for wide range of RF tag data encoding options. RF tag data encoding options can be set for High Frequency tags (TagIt, iCode, ISO...) and Ultra High Frequency tags (Class0, Class1, Class1 Gen2...). Supported standards:

- o EPC Gen2
- o Philips: I-code, I-code EPC, I-code UID, ISO15693
- o Texas Instruments: Tag-it, ISO15693
- o Infineon: ISO15693
- o Matrics: EPC Class 0 (64/96/128/256 bit), Class 0+
- o Alien: EPC Class 1 (64/96 bit)
- o Inside Tech: Pico Tag and others

Program Languages

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)

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.

Supported bar codes and 2-D symbologies

- o *GS1 (EAN and UPC)*: EAN-8, EAN-8 + 2-digit supplement, EAN-8 + 5-digit supplement, EAN-13, EAN-13 + 2-digit supplement, EAN-13 + 5-digit supplement, EAN-14, DUN-14, UPC Case Code, UPC-A, UPC-A + 2-digit supplement, UPC-A + 5-digit supplement, UPC-E, UPC-E(1), UPC-E + 2-digit supplement, UPC-E + 5-digit supplement, GS1-128 (EAN.UCC 128), SSCC, Bookland, Addon 2, Addon 5, GS1 Datamatrix

- o *Linear*: Interleaved 2 of 5, ITF 14, ITF 16, Code 39, Code 39 Tri Optic, Code 39 Full ASCII, Code 32, Code 93, CODE 128 (A, B and C subsets), Code 128 Pharmacy, MSI, Codabar, Postnet-32, Postnet-37, Postnet-52, Postnet-62, Kix, Pharmacode, Plessey, Anker, Royal Mail bar code, Intelligent Mail Bar Codes (4-State Customer Bar Codes)
- o *Linear GS1 DataBar (RSS) symbologies*: RSS14, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omnidirectional, RSS Limited, RSS Expanded, RSS Expanded Stacked
- o *Composite GS1 DataBar (RSS) symbologies*: RSS14, RSS14 Truncated, RSS14 Stacked, RSS14 Stacked Omnidirectional, RSS Limited, RSS Expanded, UPC-A, UPC-E, EAN-8, EAN-13, EAN.UCC 128 & CC-A/B, EAN.UCC 128 & CC-C
- o *Two-dimensional*: 2D-Pharmacode, PDF-417, DataMatrix, MaxiCode, Aztec, QR, MicroQR, Codablock F, MicroPDF, InfoGlyph, Grid Matrix

AI-Standards and Compliance Labeling

Certified by Microsoft, Oracle and GM; Included support for standards like GS1-128 (EAN.UCC 128), EPC, ASC (FACT), Transfer Syntax, HIBC, ISBT 128, AIAG, ODETTE, GM1724, FDA 21 CFR 11 and many more.

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