

# Loftware Cloud - Technical Specifications

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# Common specifications

## Printers

- Any printer with a Windows driver
- Native thermal and ink-jet printer support using powerful 32-bit and 64-bit NiceDrivers:  
A-Pos, ADMCODE, ALE, Allen Coding, Altec, Argox, ATD, Avery Dennison, Astronova, Beiyang/SNBC, Bixelon, Blazeprint, Brady, CAB, Carl Valentin, Century, Citizen, Cognitive, Compuprint, Comtec, COT, Datamax, Dobler, Domino, Easyprint, Eltron, EPC, EPSON, Etimark, Extech, Facit, Finotex, General Code, Genicom, Godbm, Godex, GPrinter, Hitachi, IBM, Identco, IDtechnologies, Imaje, Industrial Labeling Systems, Infoprint Solutions, Intermec, Itadora, ITD, Kortho, Labelident, Lapis, Leden, Leibinger, Markem, Markpoint, MAX, Mectec, Meto, Microcom, Monarch, MPH, Narimark, Novexx, Okidata, O'Neil, Opal, Open Date, Pago, Paxar, Postek, Printronix, QLS, QLS Kiaro, Reiner, Ring, Rongta, Sartorius, Sato, SMS, Source Technologies, Swiftcolor, TallyGenicom, TEC, Tharo, Toshiba, TSC, UBI, Unimark, Videojet, Wasp, Weber Bluhm, Zebra, Zebra Zatar, Ziptape
- Printer status monitoring using bidirectional drivers (select print families only – for the latest information please refer to the NiceDrivers page on the NiceLabel Web site)
- Support for printing CMYK JPG images to postscript printers

## Database

- Native text file support (ASCII and CSV files)
- OLE DB and ODBC database drivers (Excel, Access, Oracle, Microsoft SQL Server and others)
- Query builder and custom SQL scripting
- Google Sheets, Excel Online (OneDrive)

## Graphic files

BMP, EMF, GIF, JPEG, JPG, PCX, PNG, PSD, TIF, TIFF, WMF, SVG

Support for printing CMYK JPG images to postscript printers

PDF documents can be imported as images in label design.

## 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:

- EPC Gen2
- Philips: I-code , I-code EPC, I-code UID, ISO15693
- Texas Instruments: Tag-it, ISO15693
- Infineon: ISO15693, My-d
- Matrics: EPC Class 0 (64/96/128/256 bit), Class 0+
- Alien: EPC Class 1 (64/96 bit)
- Inside Tech: Pico Tag and others
- NXP: U-Code (G2, G2XL, G2XM)
- Rafsec: Omni (313, 342, 478)
- Impinj: Propeller

NiceLabel supports encoding of NDEF messages (Near field communication) into HF tags and special NFC tags:

- NTAG203
- NTAG210
- NTAG212
- NTAG213
- NTAG215
- NTAG216
- Mifare Ultralight
- Mifare Ultralight C
- my-d move NFC

## Program Languages

Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Hungarian, Italian, Japanese, Korean, Polish, Portuguese (Brazil), Russian, Slovenian, Spanish, Swedish, Thai, Turkish

## Unicode Data Encoding and Processing

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

## Supported barcodes and 2-D symbologies

- 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, SSCC
- Linear: Interleaved 2 of 5, ITF 14, ITF 16, Code 39, Code 39 Tri Optic, Code 39 Full ASCII, CODE 128 (A, B and C subsets), Code 93, Codabar, MSI, Plesey, Anker, USPS, Code 32
- Linear GS1 DataBar (RSS) symbologies: GS1 DataBar, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Expanded Stacked
- Composite GS1 DataBar (RSS) symbologies: GS1 DataBar, GS1 DataBar Truncated, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Limited, GS1 DataBar Expanded, UPC-A, UPC-E, EAN-8, EAN-13, EAN.UCC 128 & CC-A/B, EAN.UCC 128 & CC-C
- Two-dimensional: PDF-417, DataMatrix (including DMRE), MaxiCode, Aztec, QR, MicroQR, MicroPDF, rMQR

## AI-Standards and Compliance Labeling

Certified by Microsoft, SAP, Oracle and General Motors; Included support for standards like GS1-128 (EAN.UCC 128), EPC, ASC (FACT), GS1 Digital Link, Transfer Syntax, HIBC, ISBT 128, AIAG, ODETTE, GM1724, FDA 21 CFR 11, chemical Risk and Safety, GHS and more.



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