CLNX Accessory / Barcode Validator

CLNX™ Barcode Validator

Enhancing efficiency and quality assurance of label printing

Easily integrates barcode validation with printer operation

Retracts and voids label if barcode cannot be validated

Key Features

- Checks the readability and data of printed 1D or 2D barcodes
- No additional software needed - Plug and Play integration
- Log files for archiving and quality assurance audits

Key Benefits

- Low cost, affordable validation solution
- Eliminate chargebacks from unscannable barcode labels
- Ensure correct data printed by enacting an audit plan

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GENERAL SPECIFICATIONS / Barcode Validator

SATO's Barcode Validator for the CLNX™ Series printer offers an affordable solution that allows users to check the accuracy of printed 1D and 2D barcode symbologies. The Barcode Validator provides customers with reliable results needed to comply with quality assurance standards or mandated compliance requirements. Simple configuration makes it easy to setup and offers seamless printing operation when integrated to SATO's CL4NX™/CL6NX™ printers. The Barcode Validator solution ensures the integrity of barcode data regardless whether using printer emulation languages or even if printed out as a graphic image, such as printing from Windows applications.

To reduce the risk of applying poor quality labels, the Barcode Validator has an overstrike feature to retract and void the label if the barcode does not scan. It can be configured to automatically reprint the label or stop printer operation altogether, thus reducing label waste due to printing issues. For companies who have labeling mandates, you can use the built-in logging option to capture printed label information and create an audit file that can be uploaded to host systems for archiving purposes.

PRINT SPECIFICATIONS

Supported Printer Models
SATO CL4NX or CL6NX

Supported Print Modes
Continuous, Cutter, Cut & Print, Dispense or Linerless
*Not available for CL4NX RFID models.

Print Speed/Print Darkness
The optimal print speed and print darkness for reading barcodes vary depending on various conditions, such as the barcode type and label layout. It is recommended to perform a test read and determine appropriate settings for label format.

Printable Area (Barcode Readable Area)
Same as the printer specifications. Refer to the CLNX Operator's manual for specific restrictions based on operational settings.

BARCODE CHECK SETTINGS

Enabled/Disabled, Readable, Comparison, Start Position, Void Print, Host Notification, Logs

MEDIA SPECIFICATION

Media Width is the same as the CL4NX/CL6NX printer specifications. Refer to the CLNX Operator's manual for minimum Media Pitch restrictions based on operational settings.

READABLE BARCODE ORIENTATION

Orientation
Ensure the barcode is within the size of the visual field of fixed front mounted scanner. Refer to the CLNX Operator's manual for specifics regarding barcode position and sizing.

1D Barcode
0° / 180° (media feed direction)

2D Barcode
0° / 90° / 180° / 270°

SUPPORTED COMMAND LANGUAGES

SBPL/SZPL/SIPL/STCL/SDPL/SEPL
*Built-in Barcode Validator functions are not supported when using SATO AEP

BARCODE SYMBOLOGIES

Supported Barcode Symbologies
Refer to the specifications of each barcode scanner for compatibility

1D Symbologies (Linear)
CODABAR(NW-7),CODE39, CODE93, CODE128, JAN/EAN-13/8, UPC-A/UPC-E, ITF, Industrial 2 of 5, Matrix 2 of 5, MSI, GS1-128, POSTNET, IMB (USPS), GS1 DataBar Omnidirectional, GS1 DataBar Truncated, GS1 DataBar Limited, GS1 DataBar Expanded, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional, GS1 DataBar Expanded Stacked

2D Symbologies
PDF417, Micro PDF417, Maxi Code, QR Code, Micro QR Code, Data Matrix, Aztec Code

Combined Symbols
JAN/EAN-13/8 (CC-A/CC-B), UPC-A/UPC-E (CC-A/CC-B), GS1-128 (CC-A/CC-B/CC-C), GS1 DataBar (CC-A/CC-B)

SUPPORTED BARCODE SCANNERS

1D Scanner
IDEC WB1F-100S1S
DATALOGIC GFS4170
KEYENCE BL-1301

2D Scanner
DATALOGIC GFS4470
KEYENCE SR-710
*Additional models as tested/requested

MOUNTING

Barcode Validator Stand Kit (sold separately or as kit); Requires available USB-A or RS232 depending on scanner interface

Note: The Datalogic GFS4470 is standard offering with the SATO Barcode Validator kit

Specifications subject to change without notice

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