CL4NX Plus

Integrated 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

- Integrated Scanner
- Checks the readability and data of printed 1D and 2D barcodes
- No additional software needed – Plug & Play integration
- Log files for archiving and quality Assurance audits

KEY BENEFITS

- Aesthetically pleasing stable device
- Low cost, affordable validation solution
- Eliminates chargebacks from unscannable barcode labels
- Ensures correct data printed by encoding an audit plan

Bluetooth™   WiFi CERTIFIED   N   RoHS COMPLIANT   SATO AEP Application Enabled Printing   SOS SATO Online Services   RFID SOLUTIONS

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GENERAL SPECIFICATIONS / CL4NX Plus Barcode Validator

SATO's integrated Barcode Validator for the CL4NX™ Plus 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 to SATO's CL4NX™ Plus printers. The integrated solution ensures the integrity of barcode data regardless of 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 CL4NX Plus 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 Plus

Supported Printer Modes

Continuous, Cutter, Cut & Print, Dispense or Linerless *Not available for 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 CL4NX Plus 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 SPECIFICATIONS

Media Width is the same as the CL4NX Plus printer specifications. Refer to the 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 & 2D

1D - 0° /180°
2D - 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 SCANNER

1D Scanner

IDEC WB1F-100S1S
DATALOGIC GFS4500
KEYENCE BL-1301

2D Scanner

DATALOGIC GFS4470
KEYENCE SR-710
* Additional models as tested /required

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