



# 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

# 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 & 2D Scanner

DATALOGIC GFS4520

\* Additional models as tested /required

## SATO AMERICA CORPORATE

14125 South Bridge Circle  
Charlotte, NC 28273

Phone: (704) 644-1650

sales-sallc@sato-global.com

## LABEL MANUFACTURING, SERVICE & SALES

UNITED STATES MEXICO CENTRAL AMERICA  
CANADA CARIBBEAN

[www.satoamerica.com/CLNX](http://www.satoamerica.com/CLNX)

©2025 SATO America . All rights Reserved. Rev B • Any unauthorized reproduction of this content, in part or whole, is strictly prohibited • SATO is a registered trademark of SATO Corporation and its subsidiaries in Japan, the U.S. and other countries. All other trademarks are the property of their respective owners.