



# Cognitive's C/Rx Script Label Printer



With more scripts to fill, more tasks to complete and less manpower, workflow improvement and cost management have never been more important.

The Cognitive C/Rx thermal script printer is all about improved workflow, barcode automation and low cost of ownership versus traditional laser printing.

The C/Rx printing solution benefits chain and independent pharmacy operations through:

- Reduced cost of ownership – no toner or expensive label forms
- High speed and high quality script printing
- No adhesive ooze and costly maintenance
- Quiet operation in an unobtrusive and compact footprint
- Easy integration with your workflow and legacy pharmacy system

**Cognitive**  
**SOLUTIONS INC.**  
PRINTING INTELLIGENCE

For information, a webinar or phone consultation, contact Cognitive at **1.800.451.9874** or call your pharmacy software provider and ask about the C/Rx printer from Cognitive.

# Technical Specifications



## Printing Specifications

Nominal Printer Size	4" with or without LCD	
<b>Print Resolutions</b>	203 dpi Standard	300 dpi Optional
<b>Max Print width</b>	4.094" (104.0mm)	4.153" (105.5mm)
<b>Print Speeds</b>	4-6 ips 4-8 ips CRx w/LCD	2-6 ips 2-6 ips CRx w/LCD
<b>Max Print Lengths</b>	322" (8179 mm)	153" (3886 mm)
<b>Print Position Tolerance</b>	±0.0625" (1.6mm) Left and right	

## Media Specification

**Media Types:** Direct thermal and/or thermal transfer labels, tags, wristbands, static labels, and receipt paper.

**Media Thickness:** 0.010" thickness max.

### Index types:

Reflective and transmissive sensors to detect gaps between labels, die-cuts, black-marks, notches, and holes.

**Media Format:** Continuous fanfold (external) or roll with optional inter-sheet perforations for easy media separation.

### Media Web Width (label and liner):

4" Printer: 2.4" (60.96mm) to 4.63" (117.6mm)

**Minimum label length:** 0.375" (9.5mm) with .125" gap

**Maximum media roll size:** 7.750" (194mm) O.D. on a 1.5" (38.1mm) ID. Core

**Indexing Sensing Methods:** Continuous, gap, bar, notch, and hole.

**Gap and notch sensing standards:** Minimum Inter-label gap: 0.125" (3.18mm)

### Gap Sensing Width Range:

4" Printer: User adjustable from center to 2.2" left of center.

**Black mark sensing standards:** Black mark length (parallel to inside media edge) 0.125" (3.18mm)- 1.0" (2.54mm)

**Black Mark Sensing Range:** User adjustable in increments of 0.2" left and right to within 0.5" of edge of the maximum media web width.

## Ribbon Specifications

### Ribbon width:

4" Printer: 4.25" (108mm) Max. 4" Nominal Length: 5500" (140m) Max.

**Ribbon Types:** Wax, Wax/Resin, and Premium Resin varieties

### Label Roll Changes per Ribbon

Label Roll OD	Label Roll ID	4" Label Rolls per Ribbon Roll
5"	1.5"	2
7"	1.5"	.85

Note: 7 inch Label Roll OD = equivalent to standard 8" Label Roll Capacity

## CPL Standard Font Specifications

- Bitmapped:** 7 styles with up to 10x10 magnification, variable boldness and spacing.
- International AGFA Fonts:** Sans-serif font in 7 pt. sizes, up to 4x4 magnification, variable boldness and spacing.
- Scalable Vector Fonts:** 3 ultra font styles for smooth characters in any size and boldness.
- Rotations:** 0, 90, 180, 270 degrees

## PCL Font Specifications

Cognitive offers standard TrueType fonts to meet general pharmacy application requirements. We can also integrate specific proprietary or existing HP PCL 5 compatible font sets into the Rx printer.

- Standard: Courier, Univers, Arial, and Times New typefaces. Bold and italic are supplied.
- Optional: Proprietary or existing HP PCL 5 font sets as required for customer specific application(s).

## PCL Programming Language

- Conforms to HP PCL5e Language Standards

## Bar Code Symbolologies & Specifications (CPL Bar Codes)

UPCA	ADD 2	EAN 8	128C
UPCE	ADD 5	EAN 13	CODE128
UPCE1	CODE 39	PLESSEY	EAN128
POSTNET	I 2OF5	128A	CODABAR
Maxicode mode 0	CODE 93	128B	MSI
PDF417	DataMatrix	QR Code	Aztec
UPCA+	MSI1	S20F5	D20F5

## Communications Specifications

### Parallel Interface:

Centronics compatible parallel interface (requires parallel cable).

### High-speed Serial interfaces:

- Serial RS-232 (requires cable)
- Configurable baud rate (1,200 – 115,200 baud)
- Software (XON/XOFF) or hardware (DTR/DSR) communication handshake protocols

### USB 2.0 compatible interface

### Ethernet 10/100 Base-T interface

## Electrical Specifications

Auto-detectable 90-264VAC, 24VDC 150W power supply

## International Environment Compliance

Compliant with the following international environmental directives:

- Directive 2002/95/EC on the restriction of Use of certain Hazardous Substances in Electrical and Electronic Components (RoHS)
- Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE) International Regulatory Compliance
- Printer and Power Supply: UL, FCC Class A, CCC, CE, CiSPR22/CB.
- Power Supply Only: CSA GS/TUV/VDE/PSE

## Environmental Specifications

### Operating environment:

41° to 104°F (5° to 40°C) 20% to 85% non-condensing R.H.

## Physical Specifications

Characteristic	4" Printer
<b>Height</b>	7.1" (181mm)
<b>Width</b>	6.9" (175mm)
<b>Depth</b>	10.04" (255mm)
<b>DT Weight</b>	5.91 lbs (CRx w/LCD) 5.88 lbs
<b>TT Weight</b>	6.10 lbs (CRx w/LCD) 6.00 lbs

## Software

- **C Series Administrator:** Printer with USB/Serial bi-directional configuration software, included with printer requires Windows driver installation.
- **C Clean Driver Utility:** Self-contained driver clean-up utility that removes old drivers.
- **Windows™ OS Drivers:** Printer drivers that allow applications running on Windows operating systems to print to Cognitive printers.

## Warranty

**Printer:** 24 months from date of purchase. (Requires registration & excludes printheads)

**Print head:** 12 months or 1,000,000 inches using Cognitive's approved media

### MTBF (Mean time between failures)

2,000,000 inches (Does not include printhead dots out condition)



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