

# BradyPrinter i5100 Industrial Label Printer Specifications

When you're looking for a printer with the fundamental printing capabilities for the work you need to get done every day, look no further than the i5100 printer. You'll get the perfect combination of high-volume performance and smart printing technology to make high-mix printing easier throughout your facility.



<b>Model(s):</b>	
Model name	i5100 Industrial Label Printer
Media alignment	Center justified
<b>User Interface:</b>	
Display type	Touchscreen color LCD
Display size (diagonal)	4.3 in.
Display resolution (h x w)	272 x 480 pixels
Display languages	Arabic (Egypt), Bulgarian, Chinese (simplified), Croatian, Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hungarian, Italian, Korean, Lithuanian, Macedonian, Norwegian, Persian (Farsi), Polish, Portuguese, Romanian, Russian, Serbian, Slovenian, Spanish (Castilian), Spanish (Mexico Latin Amer), Swedish, Thai, Turkish
Display status bar	Brady mode or standard mode, ribbon and label part number installed, amount of supplies remaining, sensor activated, where to set sensor, receiving data, record data stream, ribbon warning, bluetooth, WLAN, ethernet, USB slave, time, presence of SD card and USB stick
<b>Print Head / Printing Characteristics:</b>	
Print resolution	300 dpi 600 dpi
Print method	Thermal transfer (300 or 600 dpi) Direct thermal (300 dpi - material & printhead dependent)
Print color capability	Single print color
Print speed	Up to 11.8 in/sec (300 dpi) Up to 5.9 in/sec (600 dpi)
Print width (max, cross-web)	4.16 in.
Print length (max, down-web)	6.6 ft.
Media cut-off	Tear bar, optional auto-cutter model
<b>Media Characteristics:</b>	
IP-enabled printing	Yes - reads IP-enabled supplies for Brady Mode printing
Media width (cross-web incl liner)	0.24 in. to 3.35 in. (continuous sleeves) 0.36 in. to 4.40 in. (other materials)
Label width (cross-web)	0.20 in. to 4.33 in.
Label length (down-web)**	0.20 in. minimum (w/no backfeed) 0.50 in. minimum (w/backfeed) 0.47 in. minimum (if cutting single label)
Media thickness	0.0024 in. to 0.029 in. (label materials) 0.070 in. max (push button labels) 0.043 in. max (heat shrink sleeves)
Media roll o.d. (max)	8.07 in.
Media roll core i.d.	3.0 in. to 3.94 in.
Media roll winding	Outside or inside
Internal rewind takeup roll o.d. (max)	n/a

Internal rewind takeup roll core i.d.	n/a
Internal rewind takeup roll winding	n/a
Media styles	Die cut media, continuous media, 3 in. core roll-fed media, fanfolded media (external feed), tagstock liner-mounted, tagstock linerless, perforated materials, adhesive labels, heat-shrink sleeves size 125 and larger (single sided), continuous sleeves size 125 and larger externally fed, self-laminating cable labels, raised panel push button labels (with no backfeed or autocut), rapido-style cable tags, Permarshield style labels
Media material types****	IP-Enabled media and ribbon rolls (for Brady Mode printing), PE (polyethylene), PET (polyester), PET Metallized, PU (polyurethane), PVC (vinyl), PVF (polyvinyl fluoride), PVDF (polyvinylidene fluoride), PP (polypropylene), PI (polyimide), polyamide, polyether polyurethane (Heatex™), raised panel push button material, paper, destructible materials, tamper-evident and tamper-resistant materials, other materials not listed
Media parts offering	2900+ stock parts and custom (made-to-spec) parts
<b>Ribbon Characteristics:</b>	
Ribbon length (max)	1000 ft.
Ribbon roll o.d. (max)	2.74 in.
Ribbon roll core i.d.	No core needed (IP-enabled supplies), otherwise 1.0"
Ribbon width (cross-web)***	1.0 in. to 4.49 in.
Ink side	Inside or outside wound
<b>Electronics:</b>	
Processor	32 bit 800 MHz clock rate
Memory (RAM)	256 MB
Data storage (IFFS)	50 MB
SD card slot (SDHC, SDXC)	512 GB max
Internal battery	For internal date & time (RTC)
Data storage when power off	Yes
<b>Physical / Operational Characteristics:</b>	
Dimensions (closed) (h x w x d)	12.5 in. x 9.5 in. x 17.1 in.
Weight (empty)	14.6 lbs
Power supply	100 - 240V AC, 50/60 Hz, PFC
Power consumption	<10W standby / 150W typical / 300W max
Operating environment	0 - 40°C / 10 - 85% RH non condensing
Storage environment	0 - 60°C / 20 - 85% RH non condensing
Transport environment	-25 - 60°C / 20 - 85% RH non condensing

Agency approvals	CE, FCC class A, cUL. Contact Brady for up-to-date list of environmental compliance information and agency approvals and/or marks covering over 75 countries (awarded or applied for)
<b>Fonts &amp; Graphics:</b>	
Font types (resident)	6 bitmap fonts - including OCR-A, OCR-B 3 vector fonts - Swiss 721, Swiss bold 721, Monospace 821
Font types (storable to printer)	TrueType fonts storable to printer via jump drive
Font attributes	Bold, italic, underlined, outline, negative depending on font
Font scaling (bitmap)	Width & height range: 0.039 in. to 0.12 in. Zoom factor: settings 2 to 10 rotation: 0°, 90°, 180°, 270°
Font scaling (vector & truetype)	Width and height range: 0.35 in. to 5.04 in. Zoom factor: variable (dot-by-dot) rotation: 360° in steps of 1°
Character sets	Windows 1250 up to 1257, DOS 437,737,755,850,852,857,862,864,866,869, EBC DIC 500, ISO 8859-1 to-10 and -13 to -16, Win OEM 720, UTF8, Macintosh, Roman, DEC MCS, KO18-R, All West and East European characters and Latin, Cyrillic, Greek, Hebrew, Arabic, simplified Chinese, and Thai characters are supported
Graphic elements	Arrows, lines, rectangles, circles, ellipses; filled and filled with fading
Graphic formats	PCX, IMG, BMP, TIF, MAC, PNG
<b>Barcodes:</b>	
Barcode symbologies - linear	Code 39, Code 39 Full ASCII, Code 93, Code 128 A, B, C, Codabar, Deutsche Post (indent- and routing), EAN 8, 13, EAN/UCC 128/GS1-128, EAN/UPC Appdx 2 and Appdx 5, FIM, HIBC, Interleaved 2/5, JAN 8, 13, MSI, Plessey, Postnet, RSS 14, UPC A, E, E0
Barcode symbologies - 2D	Aztec, DataMatrix, QR Code, PDF 417, UPS MaxiCode, GS1 Databar, Codablock F, Micro PDF 17, RSS 14 (truncated, limited, stacked, stacked omni-dir), EAN/GS1 DataMatrix
Barcode attributes	Sizing: variable in height, modular width and ratio Rotation: 0°, 90°, 180°, 270°
<b>Interfaces &amp; Connection:</b>	
USB 2.0 hi-speed device port	For PC connect
2 x USB host (back panel)	For scanner, keyboard, USB memory stick, USB bluetooth adapter, USB WLAN stick w/ antenna
1 x RS232-C	For serial cable connection. 1,200 - 230,400 baud/8 bit
1 x Ethernet 10/100 BASE-T	For networking, remote access, and firmware updates
1 x SD slot	For memory card (SDHC, SDXC)

<b>Software &amp; Firmware:</b>	
Label creation software	Brady Workstation (v4.1 or newer) & Workstation apps Brady LabelMark Software (v6.6.1 or newer)
WHQL certified windows® drivers****	Windows 7, 8, 8.1, 10, Server 2008, 2008 R2, 2012, 2012 R2, 2016
Printer command language	Jscript - scripting commands for sending scripts to the printer
Printer compiler language	abc basic - for placing embedded logic programming & prompts onto the printer
Printer administration / monitoring	Web-based remote access - allows printer control, configuration, firmware updates, memory card admin and time/date synchronization, and will send printer status, and error messages to users
Open source software	Go to <a href="http://www.BradyID.com/i5100compliance">www.BradyID.com/i5100compliance</a> for a list of open source software files used in this product
<b>Options / Accessories:</b>	
Replacement print heads	Factory installed via Brady tech repair
Replacement print rollers***	Variable widths to protect print head with narrow supplies - field installable
Auto cutter	Optional auto cutter model

- \*\* User should test to the application. Print performance on small labels or a part that is below the minimum label dimension spec. is dependent on multiple factors including print speed, qty in print run, heat setting, and the size/layout of the printed elements.
- \*\*\* User narrow print roller with narrow media, but to avoid head damage, ALWAYS be sure roller is wider than total media width, and ribbon is wider than the roller width.
- \*\*\*\* Windows® is a registered trademark of Microsoft Corporation.

 **For more information, visit  
[BradyID.com/i5100](http://BradyID.com/i5100)**

USA  
Customer Service: 1-888-272-3946  
Inside Sales: 1-888-311-0775  
[BradyID.com](http://BradyID.com)

Canada  
Customer Service: 1-800-263-6179  
[BradyCanada.ca](http://BradyCanada.ca)

Mexico  
Customer Service: 1-800-262-7777  
Inside Sales: 1-800-262-7777 ext 177  
[BradyLatinAmerica.com](http://BradyLatinAmerica.com)

