BradyPrinter i7100 Specifications

Get the job done with the BradyPrinter i7100 label printer. No matter the demands of your labeling jobs – from higher volumes to precise printing and more – this reliable, heavy-duty and high-accuracy label printer gets it all done.

Model(s):

Model Name	i7100 Industrial Printer
Media Alignment	Center justified

User Interface:

Display Type	Touchscreen colour LCD
Display Size (diagonal)	109.22mm
Display Resolution (H x W)	480 x 272 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	Receiving data, record data stream, ribbon warning, SD card presence, USB stick presence, bluetooth, WLAN, ethernet, USB slave, time

Print Head / Printing Characteristics:

Print Resolution	300 dpi 600 dpi
Print Method	Thermal transfer (300 or 600 dpi) Direct thermal (300 dpi - material & printhead dependent)
Print Speed	299.72mm/sec max (300 dpi) 149.86mm/sec max (600 dpi)
Print Width (max, cross-web)	105.66mm
Print Length (max, down-web)	167.64mm

Media Characteristics:

Media Width (cross-web incl liner)	3.98mm to 85.09mm (continuous sleeves) 9.14mm to 114.04mm (other materials)
Label Width (cross-web)	4.01mm to 109.98mm
Label Length (down-web)**	3.17mm minimum (w/no backfeed) 4.01mm minimum (w/backfeed)
Media Thickness	0.06mm to 0.73mm (label materials) 1.77mm max (B-593 push button material) 1.09mm max (heat shrink sleeves)
Media Roll o.d. (max)	204.97mm
Media Roll Core i.d.	38.1mm to 100.07mm
Media Roll Winding	Outside or inside

Media Styles	Die cut media, continuous media, open core roll-fed media, fanfolded media (external feed), tagstock liner-mounted, tagstock linerless, perforated materials, adhesive labels, heat-shrink sleeves (single sided and double sided with re-insert), continuous tubing (partially flattened), self-laminating cable labels, zip-tie cable tags
Media Material Types ****	PE (polyethylene), PET (polyester), PET Metalised, PU (polyurethane), PVC (vinyl), PVF (polyvinyl fluoride), PVDF (polyvinylidene fluoride), PP (polypropylene), PI (polyimide), Polyamide, Tedlar®, Nomex®, Polyether Polyurethane (Heatex™), Raised Panel Push Button material, Paper, Destructible materials, Tamper-evident and Tamper-resistant materials, other materials not listed
Media Parts Offering	3400+ stock parts and custom (made-to-spec) parts

Ribbon Characteristics:

Ribbon Length (max)	25.4M
Ribbon Roll o.d. (max)	68.07mm
Ribbon Roll Core i.d.	25.4mm
Ribbon Width (cross-web)***	25.4mm to 114.3mm
Ink Side	Inside or outside wound

Electronics:

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

Physical / Operational Characteristics:

Dimensions (closed) (HxWxD)	289.56mm x 251.46mm x 459.74mm
Weight (empty)	10kg
Power Supply	100 - 240 VAC
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)

Fonts & Graphics:

Font Types (resident)	5 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: 0.99mm to 3.04mm Zoom factor: settings 2 to 10 Rotation: 0°, 90°, 180°, 270°
Font Scaling (vector & truetype)	Width & height range: 8.89mm to 128.01mm Zoom factor: Variable (dot-by-dot) Rotation: 360° in steps of 1°
Character Sets	Windows 1250 up to 1257, DOS 437,737,7 55,850,852,857,862,864,866,869, 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

Barcodes:

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°

Interfaces & Connection:

USB 2.0 Hi-Speed Device Port	For PC connect
1 x USB Host (front screen L)	For service key or memory stick
1 x USB Host (front screen R)	For USB WLAN stick w/no antenna
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)
1 x USB Host 24 DC 9pin (front lower panel)	For peripheral accessory connection only, auto cutter, present sensor, etc
1 x Digital I/O - (back panel - optional)	Standard on peel model. For connecting basic trigger device such as foot pedal. 8 inputs & 8 outputs. - Compliant with IEC/EN 61131-2, type 1+3 - Inputs & outputs: galvanically isolated, rev polarity protected, short circuit protected - Outputs: short circuit protected

Software & Firmware:

Label Creation Software	Brady Workstation (free download) & Workstation apps, Brady LabelMark Software (v6.5.0.9 or higher)
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 www.BradyID.com.au/i7100 for a list of open source software files used in this product

Options / Accessories:

Replacment Print Heads	Factory installed via Brady tech repair
Replacement Print Rollers***	Variable widths to protect print head with narrow supplies - field installable
Auto Cutter	Full auto cutter and perf auto cutter available Field-installable to front panel
I/O Interface	Optional. Installed by Tech Support.

** User should test to the application. Small label print performance is affected by multiple factors including print speed, quantity of print run, burn setting and the size/layout of the printed elements.

*** To avoid damage to printhead, always be sure ribbon width at least covers the total media with, and, use a roller width such that the roller is wider than the total media with but narrower than the ribbons width. The end result is that no exposed print head rubs against exposed roller.

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For more information, visit

BradyID.com.au/i7100