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

**User Interface:**
- Display Type: Touchscreen color LCD
- Display Size (diagonal): 4.3"
- 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: 11.16 in/sec max (300 dpi), 5.9 in/sec max (600 dpi)
- Print Width (max, cross-web): 4.16"
- Print Length (max, down-web): 6.6' (non-peel mode), 9.8" (peel mode)

**Media Characteristics:**
- Media Width (cross-web incl liner): 0.157" to 3.35" (continuous sleeves)
- Label Width (cross-web): 0.158" to 4.33"
- Label Length (down-web)**: 0.125" minimum (w/o backfeed), 0.158" minimum (w/backfeed), 0.240" minimum (in peel mode)
- Media Thickness: 0.0024" to 0.029" (label materials), 0.070" max (B-593 push button material), 0.043" max (heat shrink sleeves)
- Media Roll o.d. (max): 8.07"
- Media Roll Core i.d.: 1.5" to 3.94"
- Media Roll Winding: Outside or inside
- Internal Rewind® Takeup Roll o.d. (max): 5.6"
- Internal Rewind® Takeup Roll Core i.d.: 1.5" to 1.58"
- Internal Rewind® Takeup Roll Windig: Outside

**Ribbon Characteristics:**
- Ribbon Length (max): 1000'
- Ribbon Roll o.d. (max): 2.68"
- Ribbon Roll Core i.d.: 1.0"
- Ribbon Width (cross-web)**: 1.0" to 4.5"
- 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)

**Dimensions (closed): (HxWxD):** 11.4" x 9.9" x 18.1"

**Weight:** 22.05 lbs

**Power Supply:**
- 100 - 240 VAC, 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)

**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 Metallized, PU (polyurethane), PVC (vinyl), PVF (polyvinyl fluoride), PVDF (polyvinylidene fluoride), PP (polypropylene), PI (polymide), Polyamide, Tedlar®, Nomex®, Polyester 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): 1000'
- Ribbon Roll o.d. (max): 2.68"
- Ribbon Roll Core i.d.: 1.0"
- Ribbon Width (cross-web)**: 1.0" to 4.5"
- Ink Side: Inside or outside wound

**Data Storage When Power Off:**
- Yes

**Physical / Operational Characteristics:**
- Dimensions (closed): (HxWxD): 11.4" x 9.9" x 18.1"
- Weight (empty): 22.05 lbs
- Power Supply: 100 - 240 VAC, 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:**
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**Fonts & Graphics:**
- 5 bitmap fonts - including OCR-A, OCR-B
- 3 vector fonts - Swiss 721, Swiss bold 721, Monospace 821
- True type fonts storable to printer via jump drive
- Font Attributes: Bold, italic, underlined, outline, negative depending on font

Learn more at BradyID.com/i7100
Font Scaling (bitmap) Width & height range: 0.039" to 0.12"
Zoom factor: settings 2 to 10
Rotation: 0°, 90°, 180°, 270°

Font Scaling (vector & truetype) Width & height range: 0.35" to 5.04"
Zoom factor: Variable (dot-by-dot)
Rotation: 360° in steps of 1°

Character Sets Windows 1250 up to 1257, DOS 437, 737, 55,850,852,857,866,864,866,869, EBCDIC 500, ISO 8859-1 to-10 and 13 to -16, Win OEM 720, UTF8, Macintosh, Roman, DEU 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


Barcode Symbologies - Linear

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/o antenna
2 x USB Host (back panel) For scanner, keyboard, USB memory stick, USB bicycle 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)


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/i7100compliance for a list of open source software files used in this product

Options / Accessories:

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 Full auto cutter and perf auto cutter available Field-installable to front panel

Present Sensor For autoadvance and print on peel model printer Field installable to front of printer

I/O Interface Standard on peel model, optional for non-peel model. Installed by Brady Tech Support.

* On Peel models only.
** 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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