

# Brady IP™ printers

## Intelligence by Design.

### Technical Data

Printhead	IP300	US Units	IP600	US Units
Printing Method	Thermal Transfer		Thermal Transfer	
Print Resolution	300 dpi		600 dpi	
Print Speed - max	200 mm/s	8"/second	100 mm/second	4"/second
Print Width - max	105.6 mm	4.16"	105.6 mm	4.16"

Materials		US Units
Material	Gapped, notched, continuous, labels, tags, sleeves	
Material Thickness/Weight	0.05-0.73 mm / 0.0027-0.029 inches	
<b>Material Roll</b>		
Total Diameter – max	210 mm	8 inches
Core Diameter – inside	76 mm	3 inches
Winding Direction	Inside or outside	
Width of Liner	25 -106 mm	1 - 4.2 inches
Material Width <sup>1</sup>	6.4 - 105 mm	0.25 - 4.16 inches
Material Height	300 dpi: 3.2 - 1016 mm 600 dpi: 3.2 - 508 mm	300 dpi: 0.125 - 40 inches 600 dpi: 0.125 - 20 inches
Material Height (peel/present)	12 mm	.5 inches
<b>Ribbon – IP ribbon spindle standard with IP Enabled ribbons</b>		
Width Sizes	4, 60, 83, 110 mm	1.5, 2.3, 3.2, 4.3 inches
Ink	Inside or outside	
Roll Diameter – max	72 mm	2.83 inches
Core Diameter	25 mm	1 inch
Ribbon Length	300 m (360 m max)	984 feet (1181 feet max)
Width up to – max	114 mm	4.4 inches

### Outperforming Expectations

Brady Thermal Transfer Printers



**IP Enabled** – designates full functionality in Brady mode



**IP Compatible** – designates software functionality in system



[www.bradyid.com/ip](http://www.bradyid.com/ip)

**IP™**  
Series  
PRINTER



■ IP300 ■ IP600

Technical Data		US Units
<b>Physical Properties</b>		
Height x Depth x Width	312 x 435 x 240 mm	12 x 17 x 9-1/2 inches
Weight	6 kg	13 pounds
Energy Consumption – max	300 W	300 W
Operating Temperature / Humidity Non-condensing	10 – 35°C / 30 – 85%	50 - 95° F
Regulatory	US: UL Listed, FCC verification (class A) and transmitter certification Canada: cUL Listed, IC verification (class A) and transmitter certification Europe: CE: EN55022, EN55024, ETSI EN 301 489-3, Weee/RoHS Mexico: NOM, CONATEL Australia: C-tick IEC: CB certificate to aid safety approval in participating countries	
Label Sensor	Transmitted-light sensor for label edge, cutout marks or label end either centered or shifted 10 mm to the left Reflex sensor from below for label edge, cut-out marks or printed marks from the center, adjustable to the left for 56 mm or to the right for 10 mm	

■ IP300

■ IP600

# BRADY IP™ THERMAL TRANSFER PRINTER



Electronics		US Units
Processor 32 Bit – Coldfire	266 MHz	
RAM	64 MB	
ROM - Flash	8 MB	
Slot For Memory Card – Compact Flash Type 1 up to 1 GB	3	
Slot For PC-Card Type II	3	
Real Time Date / Clock	3	
Energy Consumption - max	300 W	
Operating Temperature / Humidity Non-condensing	10 – 35° C / 30 – 85%	50 - 95° F
Power Supply (Universal)	100 – 240 V ~ 50/60Hz, PFC	

Operations Panel		US Units
Buttons Illuminated, Depending on Mode of Operation	Pause, Feed, Cancel, Menu, Enter, 4 x Cursor	
LCD-Alphanumeric Graphic Display: Width x Height	60 x 40 mm	2.3 x 1.5
Text Lines / Characters	4 / ca. 20	

Fonts and Graphic Images		US Units
Font Types	5 Bitmap-Fonts include: OCR-A, OCR-B and 3 vector fonts: Swiss 721, Swiss 721 Bold, and Monospace 821 available internally, and loadable TrueType fonts	
Character Sets	Windows 1250 up to 1257, DOS 437, 737, 775, 850, 852, 857, 862, 864, 866, 869, EBCDIC 500, ISO 8859-1, up to-10, -13 up to -16, Win OEM 720, UTF-8, Macintosh Roman, DEC MCS, KO18-R. All West and East European Latin, Cyrillic, Greek, Hebrew, and Arabic characters are supported. Optional Chinese (Simplified Chinese)	
Bitmap Fonts	Size of width and height: 1 – 3 mm Zoom 2 – 10 Orientation 0°, 90°, 180°, 270°	0.039 - 0.118 inches
Vector/ True Type Fonts	Size of width and height: 0.9 – 128 mm Variable zoom Orientation 360° in steps of 1°	0.035 - 5.039 inches
Font Formats	Bold, italic, underlined, outline, negative, gray, vertical – depending on character fonts	
Font Widths	Variable	
Symbols	Line, Arrow, Box, Circle, Ellipse, Filled and Filled with Fading	
Graphic Images	PCX, IMG, BMP, TIF, MAC, GIF, PNG	

Interface	
Serial RS 232 C 1,200 up to 230, 400 baud / 8 bit	3
USB 2.0 High Speed Slave for PC Connection	3
Ethernet 10/100 Base T, LPD, RAWLIP-Printing, DHCP, HTTP, FTP, SMTP, SNMP, NTP	3
RS 422, RS485, 1,200 up to 230,400 Baud/8bit	Optional
Peripheral Connection	3
USB Master for Keyboard and Scanner 2X	3

### Types of Errors:

- End of Ribbon
- End of Labels
- Printhead Open
- System diagnosis of memory and print head when switched ON, Short status, status print, font list, device list, profile of print head, label profile, test grid, monitor mode.
- Extensive status print with information about instrument setting, for example print length counter, runtime counter. Request of the machine status via software command.
- Detailed status messages on the display, for example network error-no link, barcode error, etc.
- Status to and from Brady Smart Cell on ribbon and material.

### Bar Codes

Code 39, Code 93 EAN 8, 13 EAN/UCC 128 AN/UPC Appendix 5 HIBC Interleaved 2/5 1/18/2013 MSI Postnet UPC A, E, E0 Code 128 A, B, C	Codabar of German Post AG EAN/UPC Appendix 2 FIM Code 39 full ASCII Ident and lead code 1/18/2013 Plessey RSS 14 Aztec Codablock F	Data Matrix PDF 417 Micro PDF 417 UPS Maxicode QR-Code  RSS 14 truncated, limited, stacked, and stacked omni directional.
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All bar codes variable in height, module width and ratio. Orientation 0°, 90°, 180°, 270°. Optionally with check digit, printed characters and start/stop depending on bar code type.

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