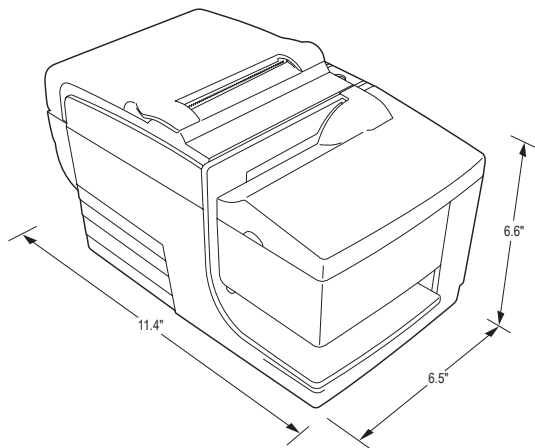# CognitiveTPG
# B780 Two-Color Hybrid Receipt/Validation Printer

## Validation and Receipt Printing in Banking

*"Simplifying the teller validation/receipt printing process."*

From the company that brought you the industry's first thermal/impact hybrid transaction printer with integrated MICR and clam shell drop-in paper loading design, CognitiveTPG offers the banking market its hybrid printer model B780. The B780 features two-color/monochrome printing, graphic and image capability, and a small footprint (under 73 square inches) that fits almost anywhere.

- Fast, maintenance-free thermal receipt printer
- Drop validation impact print station with superior paper handling
- Built in MICR reader with 99% plus accurate read rates
- Cross selling and branding opportunities with our receipt marketing software
- Low total cost of ownership with multiple printhead technologies using thermal and impact printing for longer printhead and ribbon life
- Multiple communication interfaces
- Includes emulations of popular banking printers, including the A721, for easy replacement and installation

6.6"

11.4"

6.5"

## COGNITIVETPG
### Innovation built to last

## PRODUCT HIGHLIGHTS

### Performance and Reliability in a Small Package

Backed by a 15 month warranty, the B780 delivers maximum flexibility, performance, and reliability within a 73 square inch footprint. The B780 offers easy media loading and validation insertion, a paper low indicator, caution sensors, electronic journal, and multiple resident emulations for ease of use and superior performance.

### A True Multifunctional Printer

With receipt printing, ticket validation (cash-in and cash-out) and check and form endorsement, the B780 is a true multifunctional printer. The optional MICR also reads information from checks, general ledger tickets, etc., with a 99% accuracy rate.

### Marketing and Branding Opportunities

Enhance customer relations using our receipt marketing software. Financial ReceiptWare™ can turn every receipt ticket into a marketing and branding opportunity. Simply add logos, watermarks, margin messages, customer surveys, or highlight promotions like online banking, new CD rates, etc.

USB connector | Strain Relief | Power supply connector | Cash drawer connector

9-pin RS-232C communication connector | DIP switches

RS232 Serial and USB Interface Shown Above

### PRINTER DRIVERS

Windows Mini Drivers for XP, Vista, 7 & 8, RS-232 Emulation Driver for USB

### CERTIFICATIONS

EMC emissions: EN55022:1998 Class B ITE emission requirements (EU); FCC 47 CFR Part 15, Class B emissions requirements (USA), AS/NZS 3548:2002/CISPR22 Class B ITE emission requirements (Australia); EMC Immunity: EN55024:1998/A1:2001 Information technology equipment (EU)

## TECHNICAL SPECIFICATIONS

|  | RECEIPT STATION | SLIP STATION |
|---|---|---|
| Print Method | Direct Thermal, 203 DPI | 9-Pin Impact |
| Character Cell Size | 13x24, 10x24 | 7x7, 12x7, 5x9 |
| CPI | 15, 6, 20.3 | 13.9 & 16.8 |
| Print Columns | 44 & 56 | 42 & 51 |
| Print Line Width | 2.8 in. (72 mm) | 3.02 in. (76.8 mm) |

### CHARACTER SETS & BARCODES

Resident Code Pages 437, 737, 850, 852, 857, 858, 860, 862, 863, 865, 866, 1251, 1252, and 1255

UPC-A, UPC-E, JAN8, JAN13 (EAN), Code 39, Code 93 Interleaved 2 of 5, Codabar, Code 128, Code 128 extended, EAN 128, RSS, QR, PDF-417

### FEATURES

| | |
|---|---|
| Printing Speed | Monochrome 74.0 LPS (250 mm/sec) 4.8 LPS (16 mm/sec); Two-color 27 LPS (100 mm/sec) |
| Auto Cutter | Partial Cut |
| Emulations Available | Application compatible escape commands, CognitiveTPG A756, A758, and Axiohm A721, Unisys/DH4700, and NCR5021. |
| Data Buffer | 8K |
| User Memory | Up to 2 MB: shared for graphics, logos, user defned characters and user data storage |
| Communication | Dual 9-pin RS-232/USB, 25-pin RS-232, PoweredUSB |
| Power | 24 VDC |
| Options | MICR Reader |

### MICR READER

| | |
|---|---|
| Character sets/fonts | E-13B and CMC-7, auto discriminate (Integrated in slip station) |
| Check Read Rate | 99% minimum |
| Parsing Formats | E-13B only. Programmable to any format |

### THERMAL PAPER AND RIBBON REQUIREMENTS

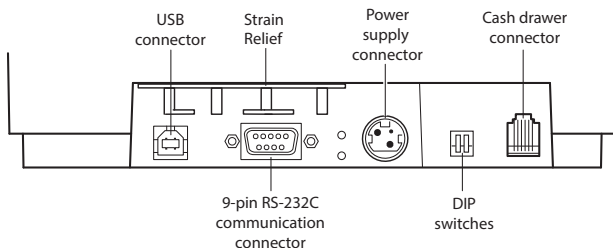| | |
|---|---|
| Paper Type | Direct Thermal, POS Grade(s), special paper for color |
| Paper Roll (W X Dia.) | 3.15 in. X 3.27 in. (80 mm X 83 mm) |
| Slip Station Ribbon Type | A152-0042 Black (5 million character) |

### IMPACT SLIP FORMS

| | |
|---|---|
| Size | 2.75 in. X 5.00 in. (69.85 mm x 127.00 mm) minimum front & side |
| Max. Form Length | 11.00 in. (279.4 mm) |
| Number of Plies | 1 - 4 ply multipart |
| Paper Thickness | 0.014 in. maximum (0.35 mm) |

### RELIABILITY

| | |
|---|---|
| Thermal Print Mechanism | 216 KM paper (64 M lines) monochrome 216 KM two-color (57 M lines) |
| Auto Knife Cutter | 2 million cuts |
| Impact Print Mechanism | 15 million lines |
| Impact Printhead | 200 million characters |
| MICR reader | 200,000 Reads |
| Warranty | 15 months |

### DIMENSIONS

| | |
|---|---|
| Footprint (W"x D"xH") | 6.5 in. X 11.4 in. X 6.6 in. (165.10 mm X 289.56 mm X 167.64 mm) |
| Weight | 8 lbs. (printer only) 13 lbs. (w/carton, pads, and included accessories) |

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