

THE IMPACT OF VERSATILITY

Ithaca® Series 90PLUS Impact



- Print on the face of a check, validate on the back
- Snap-in/snap-out ribbon cassette for quick, easy replacement
- Versatility and reliability, perfect for point-of-sale and banking applications
- Industry-leading print speed — 12.5 lines/sec.
- Ready to configure and integrate with your system
- Built-in slip path for oversized forms
- Choose from four different Series 90PLUS models

Faster, more versatile printers at the register — that's how to keep customers moving. And that's what the Series 90PLUS was designed to do. With an industry-leading speed of 12.5 lines per second, and multi-function print capability all in one smartly designed, incredibly quiet unit, the Series 90PLUS could be the most flexible receipt printer available. Like other Ithaca brand printers, the 90PLUS utilizes Oki® technology, known worldwide for quality, reliability and a snap-in/snap-out, user-friendly cartridge design. Perfect for POS and banking—you can print on the face of a check, validate the back, and use the built-in slip path for oversized forms. The 90PLUS's standard 2-year warranty offers extended maintenance options. And, of course, the Series 90PLUS is backed by our solid reputation for quality and reliability.

TRANSACT
Technologies Incorporated

PRINTING CHARACTERISTICS

Printing style:	Condensed
Pitch (char./in.):	17.1
Characters/line (maximum):	48
Print speed (lines/sec.):	12.5 @ 10 char./line; 5.9 @ 40 char./line

PHYSICAL CHARACTERISTICS

Dimensions (in mm.):	185.42 W x 311.15 D x 152.40 H
Dimensions (in inches):	7.3 W x 12.25 D x 6.0 H
Weight:	10 lbs. (4.5 Kg)
Shipping Weight:	13 lbs. (5.9 Kg)

MODELS

93PLUS Receipt/Journal/17-line Validation/Slip
94PLUS Receipt/17-line Validation/Slip

INTERFACE OPTIONS

RS232C:	Bi-Directional Serial (9-pin)
IEEE1284:	Bi-Directional Parallel (25-pin)

PRINTER DRIVERS

Windows™ 95/98/2000/Me, NT 4.0, OPOS

OPTIONS

- Adjustable Paper Width Options: 76.2 mm, 82.5 mm (3.0 in., 3.25 in.)
- Banking Validation: 10 lines, drop-in
- Concurrent and Independent Validation (Up to 17 Lines Under Software Control): M93, M94
- Auto-Cut: Partial Cut leaves a 1 mm (.04 in.) tab in center of receipt.
- Journal Lock

SLIP CAPABILITIES

- Rotated Print (4-90° rotations)
- Programmable Top of Form
- Automatic Forms Detection and Feed Under Software Control
- Top of Form to Top of Print Line: 15.8 mm (.625 in.)
- Bottom of Form to Bottom of Print Line: 15.8 mm (.625 in.)

POWER REQUIREMENTS

Internal Universal AC Power: 90 VAC to 264 VAC (self-ranging), 47 to 63 Hz

RELIABILITY

Printer in full operation (using all available features)*	
MCBF:	4,000,000 to 5,000,000 Print Lines (depending on model)
MTBF:	22,000 to 30,000 Hours (depending on model)
Printhead:	200,000,000 Characters
Auto-Cutter:	1,000,000 Cuts

*Reliability data is based on our standard test conditions simulating a normal retail operating environment.

ENVIRONMENTAL SPECS

Temperature:	Operating: 0 to +50 °C (32 to +122 °F)
Humidity:	Operating: 10 to 90% RH (non condensing)

REGULATORY COMPLIANCE

FCC Class A	CSA 950	CEMark	UL 1950	VDE 950
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SUPPLIES & SERVICE

We offer convenient one-stop shopping for all your printer needs—paper, spare parts, manuals, printer servicing/refurbishment and more. For more information, call us at 1-877-748-4222 or visit transact-tech.com.

FEATURES AND BENEFITS

- Print Speed: 12.5 lps. (340 cps.)—On Standard Test Receipt
 - Standard Warranty: Two Years (Extended Maintenance Plan Available)
 - Cash Drawer Drivers: Dual with Status (RJ11)
 - Print Zone: Width: 71 mm (2.8 in.)—Operator Visible
 - Data Buffer: Up to 6K Configurable
 - Custom Logo Print Buffer: (Non-volatile Memory, 2000 Bytes)
 - CPI: 4, 5, 6, 7.5, 8, 8.5, 10, 12, 15, 17.1, 20, 24
 - Portrait or Landscape Printing
 - APA Bit Map Graphics
 - Emulations: Ithaca/IBM, Epson ESC/POS*
 - 67 Language Code Pages
 - Optical Paper Low Switch (Software Sense and Adjustable)
 - Concealed Cable Entry
 - Forms Insertion: Front (Slip) or Top (Validation)
 - Display Pass-Thru (Serial Only)
 - Bar Codes: Code 39, Interleaved 2 of 5, UPC-A & UPC-E, EAN8 & EAN13, Code 128
 - Interface Parameters: Software Configurable via Buttons or Interface Port
- * Automatic Status Back feature available as an option.

MEDIA

Paper Roll (one-ply):

- Width: 82.5 mm (3.25 in.) or optional 76 mm (3 in.)
- Diameter: 89 mm (3.5 in.)
- Length Per Roll: 73.1 m (240 ft.)
- One-Ply Maximum Thickness: .11mm (.0045 in.)

Paper Roll (two-ply):

- Width: 82.5 mm (3.25 in.)
- Diameter: 89 mm (3.5 in.)
- Length Per Roll: 38.1 m (125 ft.)
- Maximum Thickness Per Ply: .09 mm (.0035 in.)

Paper Roll (Three-Ply):

- Width: 82.5 mm (3.25 in.)
- Diameter: 89 mm (3.5 in.)
- Length Per Roll: 26m (85 ft.)
- Maximum Thickness Per Ply: .25 mm (.01 in.)

Inserted Forms (1 original and up to 3 copies):

- Minimum form size: 63.5 mm W x 85.73 mm L (2.5 in. W x 3.375 in. L)
- Single sheet thickness: .09 mm - .41 mm (.0035 in - .016 in.)
- Multi-part form maximum thickness: .41 mm (.016 in.)

Ribbons: 3-4.5 Million Character Life

- Ithaca or Genuine Oki Snap-on Ribbon Cassette (Black or Purple)

WHO WE ARE

TransAct Technologies Incorporated (Nasdaq:TACT) is the leader in developing and manufacturing market-specific printers for transaction-based industries. These industries include gaming, lottery, POS, kiosk, and banking. Each individual market has distinct, critical requirements for printing and the transaction isn't complete until the receipt and/or ticket is produced. TransAct printers are designed from the ground up based on market specific requirements and are sold under the Ithaca® and Epic product brands. TransAct distributes its products through OEMs, value-added resellers, and selected distributors. TransAct has over two million printers installed around the world. TransAct has a strong focus on the after-market side of the business, with a high commitment to printer service, supplies, and spare parts. TransAct is headquartered in Hamden, CT. For more information on TransAct, visit www.transact-tech.com or call 203-859-6800.

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