Ithaca Serirs 90 Plus

Faster, more versatile printers at the register mean shorter, faster lines and better business for everyone. With an industry-leading speed of up to 12.5 lines per second, and multi-function print capability in one ergonomically designed, incredibly quiet unit, the Series 90PLUS is the most flexible receipt printer available today. What's more, our printers utilize Oki® impact technology, known worldwide for reliability, durability, and snap-in/snap-out capabilities. Great for point-of-sale (POS), banking and more! Print on the face of a check, validate the back, and use the built in slip path for oversized forms. The 90PLUS offers an optional built-in MICR reader which reads and communicates check information quickly and easily. We offer a standard two-year warranty with extended maintenance options to provide more service and convenience to our customers.

MODELS
91PLUS Receipt Only
92PLUS Receipt/Journal
93PLUS Receipt/Journal/17-line Validation/Slip
94PLUS Receipt/17-line Validation/Slip

PRINTING CHARACTERISTICS

Style	Pitch (char./in.)	Max (char./line)	Print Speed (lines/sec.)
Condensed	17.1	48	12.5@10 char./line
		48	5.9@40 char./line

STANDARD FEATURES
- 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-71mm (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)

OUR POWER REQUIREMENTS
Internal Universal AC Power: 90VAC to 264VAC (Self-Ranging) 47 to 63 Hz

OUR 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 Ithaca standard test conditions simulating a normal retail operating environment.

OUR ENVIRONMENTAL SPECS
Operating Temperature:
0 to +50 degrees C (32 to +122 degrees F)
Operating Humidity:
10 to 90% RH non-condensing

- Display Pass Through (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

OUR INTERFACE OPTIONS
RS232C Bi-Directional Serial (9-Pin)
IEEE1284 Bi-Directional Parallel (25-Pin)
Universal Serial Bus (USB)

PRINTER DRIVERS
Windows™ 95/98, NT 4.0, OPOS

OUR OPTIONS
- Adjustable Paper Width Options-3.0 in., 3.25 in. (76.2 mm, 82.5 mm)
- MICR-The Ithaca MICR Reader provides fast, accurate verification and slip printing all in one pass. (Supports E13B ANSI standard)
- Banking Validation-10 lines, drop-in
- Concurrent and Independent Validation (Up to 17 lines under software control)-M93, M94
- Autocut-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 Line-15.8mm (.625 in.)

OUR REGULATORY COMPLIANCE
FCC Class A
CSA 950
CE Mark
UL 1950
VDE 950

OUR MEDIA
Paper Roll (one- and two-ply):
Width: 76 mm (3.0 in.) or 82.5 mm (3.25 in.)
Diameter: 89 mm (3.5 in.)
One-ply Maximum Thickness: .11 mm (.0045 in.)
Maximum paper weight: 60 lbs.
Two-ply Maximum Thickness: .18 mm (.007 in.)
Min. thickness per ply: .06 mm (.0025 in.)
Max. thickness per ply: .09 mm (.0035 in.)
Maximum paper weight: 30 lbs. per ply

Inserted Forms (1 original, 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)

OUR PHYSICAL CHARACTERISTICS
Dimensions:
185.42 mm W x 311.15 mm D x 152.4 mm H
(7.3 in. W x 12.25 in. D x 6.0 in. H)
Weight: 4.5 kg (4 lbs.)
Shipping Weight: 5.9 kg (8 lbs.)