

## **Features and Specifications**

### **Standard Features**

Print speed: up to 5" (127 mm) per second  
Print method: direct thermal/thermal transfer  
EPL and ZPL programming languages standard

### **More Standard Features**

OpenACCESS design for easy media loading  
Quick and easy ribbon loading system  
Dual-wall reinforced plastic construction  
32 bit RISC processor  
XML-enabled printing

### **Printer Specifications**

Resolution: 203 dpi (8 dots/mm)  
Memory Standard: 8 MB SDRAM (3 MB available to end user); 4 MB Flash (1.5 MB available to end user)  
Print width: 4.09" (104 mm)  
Print length: 39" (991 mm)  
Print speed: 5" (127 mm)/sec  
Media sensors: Reflective, Transmissive

### **Media Characteristics**

Maximum label and liner width: 4.25" (108 mm)  
Minimum label and liner width: 0.75" (19 mm)  
Maximum label and liner length: 0.38" (9.7 mm) to 39" (991 mm)  
Maximum roll diameter: 5" (127 mm)  
Core diameter: 0.5" (12.7 mm), 1.0" (25.4 mm), 1.5" (37.1 mm)  
Media thickness: 0.003" (0.08 mm) to 0.0075" (0.20 mm)  
Media types: black bar, black mark, continuous, continuous receipt, die-cut, fanfold, gap, notched, perforated, receipt, roll-fed, tag, tag stock

### **Ribbon Characteristics**

Outside diameter: 1.34" (34 mm)  
Standard length: 244' (74 m)  
Ratio: 1:1  
Ribbon width  
    Recommended to be at least as wide as media  
    1.33" (33.8 mm) to 4.3" (110 mm)  
ID Core: 0.5" (12.7 mm)

### **Operating Characteristics**

Operating temperature TT: Operating temperature: 40° F (5° C) to 105° F (41° C)  
Thermal transfer DT: Operating temperature: 40° F (5° C) to 105° F (41° C)

Direct thermal Storage temperatures: -40° F (-40° C) to 140° F (60° C)

Operating humidity: 10-90% non-condensing

Storage humidity: 5-95% non-condensing

Electrical: Auto-detecable (PFC Compliant) 100-240 VAC, 50-60 Hz

### **Agency approvals**

FCC Part 15	EN55024
Subpart 15	CCC
VCCI	CB Scheme IEC 60950: 1991 +A1 +A2 + A3 +A4
C-Tick	TUV NRTL
EN55022 Class-B	IRAM
EN6100-3-2	NOM
EN6100-3-3	AAMI

### **Physical Characteristics**

Width: 7.6" (194 mm)

Height: 7.5" (191 mm)

Depth: 10" (254 mm)

Weight: 4.6 lbs (2.1 kg)

Shipping weight: 9.1 lbs (4.1 kg)

Orientation Center

### **Related Products**

#### Options

- 10/100 internal Ethernet connectivity
- Dispenser - label peel and present with present sensor
- Asian font sets
- ZBI 2.0 - field upgradeable

#### *Communication and Interface Capabilities*

- Auto-sensing Serial RS-232 (DB-9)
- USB V1.1, bi-directional
- Centronics Parallel
- 10/100 internal Ethernet (replaces parallel and serial ports)

### **Programming Languages**

Core programming languages: EPL2, ZPL I/ZPL II

### **Bar Codes/Symbologies**

Linear Codabar, Code 11, Code 128, Code 128 with subsets A/B/C, Code 39, Code 93, EAN-13, EAN-14, EAN-8, EAN-8 and EAN-13 with 2 or 5 digit extensions, German Post Code, Industrial 2-of-5, Interleaved 2-of-5, Japanese Postnet, Logmars, MSI, MSI-3, Plessey, Postnet, RSS (reduced space symbology), Standard 2-of-5, UCC/EAN-128, UPC and EAN 2 or 5 digit extensions, UPC-A, UPC-A and UPC-E with 2 or 5 digit extensions, UPC-A and UPC-E with EAN 2 or 5 digit extensions, UPC-E, 2-dimensional Aztec, Codablock, Code 49, Data Matrix, MacroPDF417, MaxiCode, MicroPDF417, PDF417, QR Code, RSS / GS1 DataBar family (12 barcodes)

### **Fonts and Graphics**

16 resident expandable ZPL II bitmap fonts

One resident scalable ZPL font

Five resident expandable EPL2 bitmap fonts

Supports user-defined fonts and graphics - including customer logos

### Specifications

Technical	
Language	EPL and ZPL programming languages standard
Printer	XML-enabled printing
Processor	32 bit RISC processor