



THUNDERBOLT

KEY BENEFITS

- 305 DPI
- Ethernet and USB ports standard
- 14 inches per second
- 4" print head
- 4.7" media width and 23mil media thickness
- Over 23,600 inches of print per ribbon
- RFID option

Print Method	Direct/Thermal Transfer
Print Resolution	305 dpi
Print Width	4.09" (104 mm)
Media Width	4.7" (120 mm)
Media Thickness	23 mil
Print Speed (max)	14 inches per second

DIMENSIONS

278 mm (W) x 310mm (H) x 460mm (D)
 10.9" (W) x 12.2" (H) x 18.1" (D)

WEIGHT

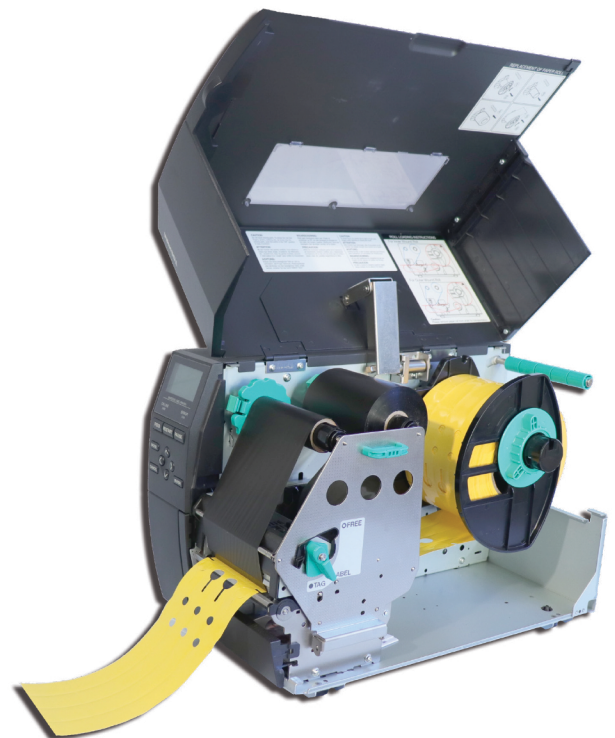
37 lbs

SHIPPING WEIGHT

42 lbs

COMPATIBLE SOFTWARE

Taggit Pro or Bartender Pro



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Flowery Branch, GA
 (800) 475-2040

www.SpecialtyTag.com



STANDARD FEATURES

- > Near edge print head design
- > Thermal transfer or direct thermal
- > Models in 203 dpi, 305 dpi
- > 32MB DRAM, 16MB Flash
- > Dual ribbon motor
- > Ribbon capacity – 800 meter
- > Maximum speed - 14 ips
- > ZPL II® emulation
- > ENERGY STAR certified
- > Long head life – 3 million linear inches¹
- > Snap-in user upgradeable print heads
- > XML enabled Printing
- > Rugged metal construction
- > RFID ready

KEY SELLING FEATURES

Performance Leader

- Best in class print speed, large DRAM & flash memory
- High reliability designed for industrial printing

Low TCO (Total Cost of Operation)

- Dual Ribbon Motor System
 - Ensures better ribbon handling
 - Eliminates ribbon wrinkling or unusable, unscannable labels
- Long-lasting print head
 - Supports up to 3 million linear inches¹
 - Less user intervention and print head replacement cost
- Large 800 meter ribbon
 - Minimize user intervention
- Ribbon Save Mode
 - Eliminate ribbon wastage
- ENERGY STAR
 - Low energy consumption in idle and print mode
 - Substantial energy and cost savings

Flexibility

- User installable snap-in print heads
 - 203 to 305 dpi interchangeable print heads without tools
 - Auto print head detection
 - Easy service and maintenance
- Emulation Technology
 - ZPL II® emulation standard
 - Seamless integration into existing environments
- Scalable with RFID upgradability
 - Protect investment and support RFID growth initiatives

Ease of Use

- Easy ribbon and media loading
 - Designed for single step loading without threading or multiple steps
 - Ensures maximum uptime
- Network Printer Management Tool
 - Monitor and control printers from desktop

Models

B-EX4T1-GS (203 dpi)
B-EX4T1-TS (305 dpi)

Printer Specifications

Technology	Thermal transfer/ Direct thermal
Resolution	203 dpi (8 dots/mm), 305 dpi (12 dots/mm)
Print Speed (Maximum)	203 dpi: 14 ips (350 mm/sec) 305 dpi: 14 ips (356 mm/sec)
Memory	DRAM - 32MB, Flash - 16MB
Graphic Display	128 x 64 pixel
Print Length	58.9"
Print Width	4.09"(104 mm)

Media

Ribbon Length	800M
Ribbon Core Diameter	1.01" ± 0.008" (Ø25.7± 0.2mm)
Ribbon Outer Diameter	3.45" (90mm)
Media Sensors	Adjustable reflective (Black Mark) Adjustable transmissive (Gap, Notch, Hole) Disable (Continuous media)
Media Length	.31"-58.9" (8.0mm – 1498mm)
Media Width	.98"-4.72" (25.0mm – 120mm) (including backing)
Media Thickness	Label: .003"-.007" (.08mm - .17mm) Tag: .003"-.010" (.08mm - .263mm)
Programming Languages	TPCL (TOSHIBA Print Command Language) ZPL (Zebra Programming Language)
Interfaces Standard	USB 2.0, Ethernet
Interfaces Optional	Wireless or Serial, Parallel, Expansion I/O, RTC (real time clock) and USB
Options and Accessories	Ribbon Save Mode Rotary cutter, Disc cutter Peel off with liner rewind Partial roll rewind (internally rewinds) RFID (UHF)Module 305 dpi thermal head
Bar Code Symbolologies	
Linear Bar Codes:	JAN8, JAN13, EAN8, EAN8+2 digits, EAN8+5 digits, EAN13, EAN13+2 digits, EAN13+5 digits, UPC-E, UPC-E+2 digits, UPC-E+5 digits, UPC-A, UPC-A+2 digits, UPC-A+5 digits, MSI, ITF, NW-7, CODE39, CODE93, CODE128, EAN128, Industrial 2 to 5, Customer Bar Code, POSTNET, KIX CODE, RM4SCC (ROYAL MAIL 4 STATE CUSTOMER CODE), GS1 DataBar
2 – Dimensional:	Data Matrix, PDF417, QR code, Maxi Code, Micro PDF417, CP Code

Environmental

Operating Temperature	40°F -104°F (5°C - 40°C)
Operating Humidity	25 - 85 % RH (non- condensing)
Power Consumption	Printing Mode: 116W, .59A Stand-By Mode: 15W or less Sleep Mode: 5.7W, .09A
Physical Dimensions (W x H x D)	10.9" x 12.2" x 18.11" (278 mm x 310mm x 460mm)
Weight	36.7 lbs./17 kg
Weight Shipping	41.9 lbs./19Kg



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