

- > Industrial 4" High Performance Thermal Label Printer
- > Low Cost of Operation
- > Designed for Scalability and Flexibility
- > RFID Ready
- > Low Maintenance
- > Energy Star Certified



> B-EX4T1





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

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

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"-0.07" (.08mm - .17mm) Tag: .003"-0.10" (.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



¹ Print head warranty: 1 year or 3 million inches, whichever comes first under thermal transfer printing and the use of Toshiba recommended media.