TOSHIBA

> **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**

B-EX4T1

TOSHIBA

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 inches[1]**
> **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 inches[1]
  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 - 64 MB, Flash - 64 MB
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 Symbologies	
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, AZTEC Code, GS1 QR 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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[1] Print head warranty: 1 year or 3 million inches, whichever comes first under thermal transfer printing and the use of Toshiba recommended media.