Industrial 4” Thermal Label Printer
Low Cost of Operation
Designed for Scalability and Flexibility
Low Maintenance
Energy Star Certified

B-EX4T2
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STANDARD FEATURES

- Flat edge print head design
- Thermal transfer or direct thermal
- Models in 200 dpi, 300 dpi, 600 dpi
- 32MB DRAM, 16MB Flash
- Dual ribbon motor
- Ribbon capacity – 600 meter
- Maximum speed - 12 ips
- Dual ribbon motor
- 32MB DRAM, 16MB Flash
- ZPL II® emulation
- ENERGY STAR certified
- Long head life – 3 million linear inches
- Snap-in user upgradeable print heads
- XML enabled Printing
- Rugged metal construction

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
  Less user intervention and print head replacement cost
- Large 600 meter ribbon
  Minimize user intervention
- ENERGY STAR
  Low energy consumption in idle and print mode
  Substantial energy and cost savings

Flexibility
- User installable snap-in print heads
  200 to 300 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-EX4T2-GS (200 dpi), B-EX4T2-TS (300 dpi), B-EX4T2-HS (600 dpi), B-EX4D2-GS (200 dpi Direct Thermal)

Printer Specifications

- Technology: Thermal transfer/ Direct thermal
- Resolution: 200 dpi (8 dots/mm), 300 dpi (11.6 dots/mm)
- Print Speed (Maximum): 200 dpi: 12 ips (300 mm/sec), 300 dpi: 12 ips (305 mm/sec), 600 dpi: 6 ips (152 mm/sec)
- Memory: DRAM - 32MB, Flash - 16MB
- Graphic Display: 128 x 64 pixel
- Print Length: 58.9"
- Print Width: 4.09"(104mm)

Media

- Ribbon Length: 600M
- Ribon Core Diameter: 1.01” ± 0.008” (25.7± 0.2mm)
- Ribon Outer Diameter: 3.45” (90mm)
- Media Sensors: Adjustable reflective (Black Mark)
  Adjustable transmissive (Gap, Notch, Hole)
  Disable (Continuous media)
- Media Length: .98”-.4,72” (25.0mm – 120mm) (including backing)
- Media Width: Label: .003”-.007” (08mm - .17mm)
  Tag: .003”-.10” (08mm - .263mm)
- Media Thickness
  - Label: .003”-.007” (.08mm - .17mm)
  - Tag: .003”-.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: Disc cutter
  Peel off with liner rewind
  Partial roll rewind (internally rewinds)
  RFID (UHF) Module
  300 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, 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

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Inv. Code: BEX4T22

1 Print head warranty: 1 year or 3 million inches, whichever comes first under thermal transfer printing and the use of Toshiba recommended media.
2 Not available at launch.