

INDUSTRIAL

BX410T Family

- High-performance 4" thermal label printers
- Flexible device integration
- Reliable hardware with long-life printheads
- Includes ribbon-saving technology
- Supports IoT device management
- RFID-ready



The next-generation of industrial printing.

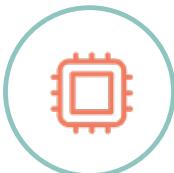
Superior hardware meets smart, cloud-based technology.

In today's fast-paced industrial environment, maintaining peak performance under heavy workloads can be challenging. The BX410T Family ensures exceptional reliability and efficiency to keep your operations running smoothly, even in the most demanding conditions.

Powered by Toshiba's innovative A-BRID Operating System and a high-performance dual-core CPU, this printer provides smart, cloud-based connectivity for seamless integration and remote management. By combining trusted hardware with advanced technology, the BX410T Family helps streamline workflows, reduce downtime, and enhance productivity—offering a future-proof solution that grows with your business.



Industrial
Printing



Toshiba's A-BRID
Operating System



Superior User
Experience



Integrated
RFID



Seamless
Connectivity

Bridging tradition and innovation.

- The BX410T Family combines field-proven hardware with a dual-core CPU running both a real-time operating system and a Linux OS, creating Toshiba's A-BRID ecosystem.
- Toshiba's A-BRID Operating System integrates multifunction printer technology into label printers, enabling advanced IT applications.

Stay ahead with unmatched productivity.

- Renowned hardware reliability with long-life printheads minimize downtime and deliver unmatched total cost of ownership (TCO).
- Toshiba's ribbon-save technology and long-length ribbons maximize operating time with minimal user intervention.

Superior user experience.

- New features like the integrated label near-end detection and a full-color display streamline daily operations.
- QR code-based user functions link mobile devices to the printer or connect to support resources like help desks.

Integrated RFID analyzer & direct encoding.

- Toshiba's A-BRID system architecture supports advanced applications, such as the Toshiba RFID analyzer, running directly on the printer.

Turn your printer into a labeling hub.

- Embedded apps transform printers into standalone print stations, enabling data directly from barcode scanners or keyboards without the need for a workstation.
- Security is paramount: Only Toshiba-tested and certified whitelisted apps are allowed to run on A-BRID.

Take control of your fleet—from anywhere.

- Toshiba's proprietary cloud service infrastructure Elevate Sky® MFPCConnect automatically manages counters, logs, and firmware updates.
- Centrally monitor, manage and support your printer fleet remotely with SOTI Connect.

Integration made easy.

- Native PDF printing and automatic legacy language selection simplify setup.
- Printer cloning replicates configurations seamlessly across devices.

Seamless connectivity.

- Standard USB and LAN ports, plus an optional Wi-Fi module, provide versatile connection options to suit your needs.



The reliable BX410T Family is an ideal printing solution for demanding environments, such as:

- Transportation
- Warehouses
- Manufacturing
- Retail



Unlock next-level connectivity, customization, and integration with Toshiba's A-BRID technology.

Built for next-generation printers, Toshiba's A-BRID Operating System revolutionizes industrial printing by delivering unmatched connectivity, seamless customization, and effortless integration.

Real-time PDF Printing: Automatic rotation & scaling for faster document handling.

Effortless Integration: Streamlined data conversion for easy system compatibility.

Automatic Language Detection: Eliminates manual configuration with auto-emulation for simplified setup.

Remote Management: Monitor & manage your printer fleet with Elevate Sky® MFPCConnect & SOTI Connect.

Simplified Deployment: Quick setup with printer cloning & intuitive web interface.

Standalone Printing: Direct printing from mobile devices or barcode scanners for added convenience & flexibility.

Advanced Security: Robust protection for all networked devices & data.

BX410T Family

Model

BX410T200

Resolution 203 dpi (8 dots/mm)

BX410T300

Resolution 305 dpi (11.8 dots/mm)

General

Printhead Near Edge

Print method Direct Thermal/Thermal Transfer

Dimensions (W x D x H) 278x 460 x 310 mm

Weight 17kg

User Interface Full Color LCD, 2x LED, 11 x Key

Operation Temperature/

Humidity 5°C–40°C/25–85% Non-Condensing Relative Humidity (RH)

Storage Temperature/

Humidity -40°–40°C/10–90% Non-Condensing Relative Humidity (RH)

Power Supply AC 100–240V, 50/60 Hz

Print

Sensor Reflective, Transmissive

Max. Print Speed 356 mm/Second (14ips)

Max. Print Width 104 mm

Print Length

Batch 6–1,496 mm

Cut 21.4–1,496 mm

Peel-off 21.4–1,496 mm

Barcodes EAN8, EAN13, JAN8, JAN13, UPC-A, UPC-E, NW7, CODE 39, Code 93, ITF, MSI, Code 128, EAN 128, Industrial 2 of 5, POSTNET, RM4SCC, KIX-code, GS1 DataBar, USPS Intelligent Mail, Customer Barcode

2D Codes Data Matrix, PDF417, MaxiCode, QR Code, Micro QR Code, Micro PDF417, CP Code, AZTEC Code, GS1 QR Code, GS1 Data Matrix

Fonts Bitmap Font, Outline Font, Price Font, Optional TTF, OTF, Writable Characters

Ribbon

Ribbon Width Max. 112 mm

Ribbon Core Size 25 mm(±0.2 mm)

Max. Ribbon Length 600 m, 800 m

Max. Ribbon Diameter 90 mm

Near End Detection 30 or 70 m Selectable

RFID

RFID Module Optional UHF (EPC Gen2)

Optional HF (ISO 15693, ISO14443 Type A)

RFID Analyzer Integrated RFID Analyzer

Media

Alignment Center

Backing Paper Width 30–107 mm

Label Thickness Label: 0.13–0.17 mm

Tag: 0.08–0.25 mm

Inner Media Core Diameter 76.2 mm

Outer Media Roll Diameter Max. 200 mm

Media Type Vellum Paper and Labels, Matte Coated Paper, Glossy Coated Paper, Synthetic Film, PET Film, Polyimide

Media Formats Roll, Fanfold

Near End Detection Adjustable, e.g. 10% Remaining

A-BRID Operating System

CPU Dual Core, 1.0 GHz

A-BRID Dual OS System: Linux-based

Print Engine: RTOS

Memory 1 GB RAM, 8 GB ROM

Expansion Memory Via USB Drive

Embedded Applications SDK for Custom Applications, e.g. for Standalone Printing

Print Data Converter Automatically Convert or Correct Incoming Data

PDF Printing Auto Print of PDFs, Auto Rotate, Auto Scaling

Software & Connectivity

Emulation Auto-detection of TPCL, ZPL II, DPL, SBPL, PDF

Printer Driver Windows 11/10, Windows Server 2022/2019, SAP, CUPS Driver for Linux, macOS

SDK iOS, Android, Windows, Java

200 Pages Per Document

Interface USB 2.0 HS (USB host/HID support), LAN 10/100/1000 BaseT, RS232*, WLAN 802.11ac/a/b/g/n/ax*, Expansion I/O(1)

Language Mode TPCL

Label Software BarTender UltraLite

IoT Device Management SOTI Connect, Elevate Sky® MFPCConnect

Options

Disc Cutter, Rotary Cutter, Peel-off Module, Ribbon Save Module, External Media Guide, RS232, Wireless LAN, EX I/O, UHF RFID Kit, HF RFID Kit, Real Time Clock

*Optional



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