TOSHIBA

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® MFPConnect 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

A-BRID





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® MFPConnect & 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 × 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® MFPConnect

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**

DESIGN AWARD 2024 **BX400 Series** Label printers

BarTender Solutions Partner Gold

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Inv. Code 22481 BX410T Family Brochure 8/25

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