

# TOSHIBA

Next-Gen Industrial Printers

## BX410T Series



# Unlock the Power of Labelling

## A new era of industrial printing

Built on the same renowned hardware as its outstanding predecessor, the BX410T series boasts a powerful dual-core CPU that drives Toshiba's revolutionary A-BRID operating system. It provides smart, cloud-based intelligence that keeps your operation seamless, even in the most demanding applications. The BX410T industrial printer series – where superior hardware meets innovative technology.



## Bridging tradition with innovation

- The BX410T combines field-proven hardware with a dual-core CPU running both, a real-time OS and a Linux OS creating the A-BRID eco-system.
- The A-BRID OS merges multifunctional printer technology into label printers, enabling innovative IT applications.

## Stay ahead with unmatched productivity

- Renowned hardware reliability with long-life print heads ensure minimal downtime and unmatched total cost of ownership (TCO).
- Toshiba's ribbon save technology and long length ribbons extend operating time without any interactions required.

## Superior user experience

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

## Integrated RFID analyser & direct encoding

- A-BRID's system architecture allows applications, such as the Toshiba RFID analyser to run directly on the printer.

## Turn your printer into a labelling hub

- Embedded apps transform printers into standalone print stations that receive data directly from barcode scanners or keyboards, eliminating the need for a workstation.
- Security is paramount: Only white listed apps, tested and certified by Toshiba will run on A-BRID.

## Take control of your fleet – from anywhere

- Toshiba's proprietary cloud service infrastructure e-BRIDGE CloudConnect manages counters, logs and deploys firmware automatically.
- Centrally visualise, manage and support your fleet of printers with SOTI Connect.

## Integration made easy

- Native PDF printing together with automatic language selection of legacy printer languages.
- Printer cloning can easily replicate device configurations from one printer to another.

## Connect and print

- From the standard USB and LAN ports to the optional Wi-Fi module connect however you want.

## A-BRID – Empowering label intelligence

Designed for the next-gen printers, the multi-core CPU combined with the A-BRID OS architecture introduces a new era of connectivity, customisation and integration.

- Real-time PDF printing with auto rotation & scaling
- Easy data conversion for seamless integration
- Auto-emulation detects printer language automatically
- Cloud ready: e-BRIDGE CloudConnect & SOTI Connect
- Simplified device deployment with printer cloning
- Web interface removes the need for separate software
- Embedded apps for, e.g. standalone printing
- Extended connectivity, security & network functions



# Specifications

## Models

<b>BX410T-GS02</b>	
Resolution	203 dpi (8 dots/mm)
<b>BX410T-TS02</b>	
Resolution	305 dpi (11.8 dots/mm)

## General

<b>Printhead</b>	Near edge
<b>Print method</b>	Direct thermal / thermal transfer
<b>Dimensions (W x D x H)</b>	278 x 460 x 310 mm
<b>Weight</b>	17 kg
<b>User interface</b>	Full colour LCD, 2x LED, 11 x key
<b>Operation temperature/ humidity</b>	5°C–40°C / 25–85% non-condensing relative humidity (RH)
<b>Storage temperature / humidity</b>	-40°–60°C / 10–90% non-condensing relative humidity (RH)
<b>Power supply</b>	AC 100–240 V, 50/60 Hz

## Print

<b>Sensor</b>	Reflective, transmissive
<b>Max. print speed</b>	356 mm/second (14 ips)
<b>Max. print width</b>	104 mm
<b>Print length</b>	
Batch	6–1,496 mm
Cut	21.4–1,492 mm
Peel-off	21.4–1,496 mm
<b>Barcodes</b>	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
<b>2D Codes</b>	Data Matrix, PDF417, MaxiCode, QR Code, Micro QR Code, Micro PDF417, CP Code, AZTEC Code, GS1 QR Code, GS1 Data Matrix
<b>Fonts</b>	Bitmap font, Outline font, Price font, Optional TTF, OTF, Writable characters

## Ribbon

<b>Ribbon width</b>	max. 112 mm
<b>Ribbon core size</b>	25.7 mm (±0.2 mm)
<b>Max. ribbon length</b>	600 m, 800 m
<b>Max. ribbon diameter</b>	90 mm
<b>Near end detection</b>	30 or 70 m selectable

## RFID<sup>(1)</sup>

<b>RFID module</b>	Optional UHF (EPC Gen2) Optional HF (ISO 15693, ISO14443 Type A)
<b>RFID analyser</b>	Integrated RFID analyser

## Media

<b>Alignment</b>	Centre
<b>Backing paper width</b>	30–107 mm
<b>Label thickness</b>	Label: 0.13–0.17 mm Tag: 0.08–0.25 mm
<b>Inner media core diameter</b>	76.2 mm
<b>Outer media roll diameter</b>	max. 200 mm
<b>Media type</b>	Vellum paper and labels, Matt coated paper, Glossy coated paper, Synthetic film, PET film, Polyimide
<b>Media format</b>	Roll, fanfold
<b>Near end detection</b>	Adjustable, e.g. 10% remaining

## A-BRID Operating System

<b>CPU</b>	Dual core, 1.0 GHz
<b>A-BRID dual OS</b>	System: Linux-based Print engine: RTOS
<b>Memory</b>	1 GB RAM, 8 GB ROM
<b>Expansion memory</b>	via USB drive
<b>Embedded applications</b>	SDK for custom applications, e.g. for standalone printing
<b>Print data converter</b>	Automatically convert or correct incoming data
<b>PDF printing</b>	Auto print of PDFs, auto rotate, auto scaling

## Software & Connectivity

<b>Emulation</b>	Auto-detection of TPCL, ZPL II, DPL, SBPL, PDF
<b>Printer driver</b>	Windows 11/10, Windows Server 2022/2019, SAP, CUPS driver for Linux, macOS
<b>SDK</b>	iOS, Android, Windows, Java
<b>Interface</b>	USB 2.0 HS (USB host/HID support), LAN 10/100/1000 BaseT, RS232 <sup>(1)</sup> , WLAN 802.11ac/a/b/g/n/ax <sup>(1)</sup> , Expansion I/O <sup>(1)</sup>
<b>Language mode</b>	TPCL
<b>Label software</b>	NiceLabel free, BarTender UltraLite
<b>IoT device management</b>	SOTI Connect, e-BRIDGE CloudConnect

## 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

<sup>(1)</sup> Optional



