

XT5-40NR

4-inch Thermal Transfer
Industrial RFID Label Printer



Retail



Warehouse



Logistics



Manufacturing

Premium Performance



Accurate RFID Performance

- The XT5-40NR supports UHF RFID print and encode capability
- Extremely close-spaced RFID inlay encoding supported (minimum pitch of 0.6 inch / 16 mm)
- RFID Calibration supported to automatically detect RFID tags



Durability and User Convenience

- Aluminum body and special adhesiveless metal case
- Space-saving design with double folding door
- 4.3 inch full colour touch LCD display
- Printing speed up to 14 ips (356 mm/sec)
- 203 dpi or 300 dpi resolution
- The industry's fastest Ethernet (1Gbit/sec) embedded
- General-purpose I/O (GPIO) interface for factory automation
- Building standalone label printing solution using XI, BIXOLON's BASIC programming Interpreter



Enhanced Softwares

- SoftAP: Simple Wi-Fi set up to a mobile device
- Twin function™: Copy printer settings and data via USB storage
- Direct printing from the SAP® Smart Forms
- Compatible with diverse MDM solutions (SOTI - Connect and BIXOLON Profile Manager XPM™, XCM™)



XT5-40NR

4-inch Thermal Transfer Industrial RFID Label Printer

Specifications

Printer Specifications

Print Method

Thermal Transfer or Direct Thermal

Print Speed

XT5-40NR: Up to 14 ips (356 mm/sec)

XT5-43NR: Up to 10 ips (254 mm/sec)

Print Resolution

XT5-40NR: 203 dpi

XT5-43NR: 300 dpi

Print Width

XT5-40NR: 104 mm

XT5-43NR: 105.7mm

Print Length

XT5-40NR: Up to 4,000 mm

XT5-43NR: Up to 2,500 mm

Sensor

Transmissive (Adjustable), Reflective (Adjustable),
Ribbon-End, Head Open

Media Characteristics

Media Type

Gap, Black Mark, Notch, Continuous, Fan-Fold

Media Width

25 ~ 114 mm

Media Roll Diameter

Up to 203 mm

Media Thickness

0.06 ~ 0.30 mm

Supply Method

Easy Paper Loading

Inner Core

38.1 ~ 76.2 mm, 25.4 mm (Optional)

Ribbon Characteristics

Ribbon Type

Wax, Wax/Resin, Resin, Outside, Inside

Ribbon Width

50 ~ 110 mm

Ribbon Length

Up to 450 m

Core Inner Diameter

25.4 mm

Physical Characteristics

Dimensions (W x D x H)

STD: 269 x 490 x 324 mm
(10.59 x 19.29 x 12.76 inch)

Rewinder: 269 x 490 x 407 mm
(10.59 x 19.29 x 16.02 inch)

Weight

STD: 13.98 kg (30.82 lbs.)

Rewinder: 17.98 kg (39.64 lbs.)

Electrical

Internal Power Adaptor 100-120 V/200-240 V AC,
50/60 Hz

Display

4.3-inch CTP TFT Touch LCD

Performance Characteristics

Memory

512 MB SDRAM, 512 MB Flash

Interface

① USB + Serial + Ethernet + 2 USB Host ports

② USB + Serial + Parallel or GPIO + Ethernet +
2 USB Host ports

③ USB + WLAN + Ethernet + 2 USB Host ports

④ USB + WLAN + Parallel + Ethernet +
2 USB Host ports

⑤ USB + Bluetooth + Ethernet + 2 USB Host ports

⑥ USB + Bluetooth + Parallel + Ethernet +
2 USB Host ports

Ethernet: 10/100/1000 Mbps (1Gbps)

WLAN: 2.4G/5GHz, 802.11a/b/g/n (Infrastructure,
Ad-hoc, Wi-Fi Direct, SoftAP)
- WEP40/104, WPA1/2 (PSK, EAP)

GPIO: DB15 (Female), 5/24 V, 4 GPI, 8 GPO

Real Time Clock

Supported

Environment Characteristics

Temperature

Operating: 5 ~ 40 °C (41 ~ 104 °F)

Storage: -20 ~ 60 °C (-4 ~ 140 °F)

Humidity

Operating: 10 ~ 80 % RH

Storage: 10 ~ 90 % RH

Software

Emulation

SLCSTM, BPL-ZTM, BPL-ETM, BPL-DTM

Driver / Utility

Windows Driver (Europlus/Seagull),

Linux/Mac CUPS Driver,

Virtual COM USB/Ethernet Driver, Utility Program,

OPOS/JPOS Driver, Bartender Ultralite for BIXOLON,

Device Driver for SAP®, Network Auto Installer

Developer Tools

Android/iOS/Windows SDK, Linux SDK,

Xamarin SDK, Web Print SDK, XI(Optional),

Cordova Plugin, MAUI SDK, Flutter Plugin,

React Native SDK

Design & Print

Label Artist-II™, Label Artist™ Web, Label Artist™,

Mobile (Android, iOS), mPrint App (Android, iOS)

MDM (Optional)

BIXOLON Profile Manager

- XPM™, XCM™ (Windows, Android),

SOTI Connect supported

Fonts / Graphics / Symbologies

Fonts

Bitmap Fonts (10 SLCSTM, 16 BPL-ZTM, 5 BPL-ETM,
9 BPL-DTM), Scalable Fonts (1 SLCSTM, 1 BPL-ZTM,
1 BPL-DTM), 23 Code page,
Unicode supported (UTF-8, UTF-16LE, UTF-16BE)

Graphics

Supporting user-defined fonts, graphics, formats
and logos

Barcode Symbologies

1D: Codabar, Code 11, Code 39, Code 93, Code 128,
EAN-13, EAN-8, Industrial 2-of-5,
Interleaved 2-of-5, Logmars, MSI, Plessey,
Postnet, GS1 DataBar (RSS-14), Standard 2-of-5,
UPC/EAN extensions, UPC-A, UPC-E, IMB

2D: Aztec, Codablock, Code 49, Data Matrix,
MaxiCode, MicroPDF417, PDF417, QR code,
TLC 39

Accessories

Optional

Peeler, Auto Cutter, Rewinder,

1" I.D. Core media supply hanger, Serial cable,

Parallel cable, USB cable

Supplies

Compatible with B-ribbon™

RFID

Frequency

UHF, 865 ~ 868 MHz (EU), 902 ~ 928 MHz (KR, USA)

Transmit Power

1W

Modulation

ASK

Protocol

ISO 18000-6C (EPC Class1 Gen2)

Auto Cutter

Optional

Tag Pitch

Min 16 mm