

# XD5-40 Series

4-inch Direct Thermal  
Desktop Label Printer



Manufacturing

Logistics

Retail

Healthcare

## Robust and highly featured



RFID XD5-40tR



XD5-40t



XD5-40d



### Reliable and Solid Performance

- Supporting Direct Thermal(XD5-40d) and Thermal Transfer(XD5-40t) label printing
- Fast processing and print speeds of up to 7 ips (XD5-40d), 6 ips (XD5-40t)
- Optional 300 dpi high resolution choice for fine print quality
- Dual-band Wireless Lan (5 GHz and 2.4 GHz) and Bluetooth®
- Extended memory space up to 256MB SDRAM, 256MB Flash
- A suite of SDKs for major operating systems
- Building standalone label printing solution using XI, BIXOLON's BASIC programming Interpreter

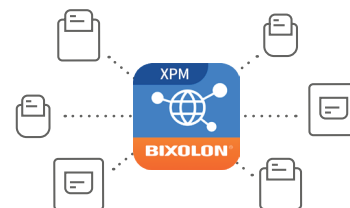


Media Guide

Media Holder

### Next Level Usability

- Supports UHF RFID print and encode capability plus minimum encoding inlay pitch of 0.6 inch (16mm) inlay
- An adjustable media guide and a holder
- Compact clamshell design with intuitive menu buttons and optional LCD Display (LCD display as standard on XD5-40tR)
- Suitable for both 1/2-inch and 1-inch core ribbon (74 m and 300 m)
- Field-installable Peeler and Auto Cutter



### Secure and Efficient Management

- Twin fution™ supported: Copy printer setting and data by USB
- Compatible with label design software; BIXOLON's Label Artist™ and Seagull's BarTender®
- XPM™ & XCM™ - Web-based printer management software and connection app

**BIXOLON**  
a Better Solution for your Business™

# XD5-40 Series

4-inch Direct Thermal  
Desktop Label Printer



XD5-40d

XD5-40t

XD5-40tR

## Specifications

### Printer Specifications

#### Print Method

XD5-40d: Direct Thermal  
XD5-40t: Thermal Transfer or Direct Thermal

#### Print Speed

XD5-40d: Up to 7 ips (178 mm/sec)  
XD5-43d: Up to 5 ips (127 mm/sec)  
XD5-40t: Up to 6 ips (152 mm/sec)  
XD5-43t: Up to 4 ips (102 mm/sec)

#### Print Resolution

XD5-40d, 40t: 203 dpi  
XD5-43d, 43t: 300 dpi

#### Print Width

XD5-40t: Up to 108 mm  
XD5-43t: Up to 105.7 mm

#### Print Length

Up to 1,000 mm

#### Sensor

Transmissive (Fixed), Reflective (Adjustable),  
Head Open

### Media Characteristics

#### Media Type

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

#### Media Width

15 ~ 118 mm

#### Media Roll Diameter

Up to 127 mm

#### Media Thickness

0.06 ~ 0.20 mm

#### Supply Method

Easy Paper Loading

#### Inner Core

25.4 ~ 38.1 mm

### Ribbon Characteristics

#### Ribbon Type

Wax, Wax/Resin, Resin, Outside

#### Ribbon Width

33 ~ 110 mm

#### Ribbon Length

Up to 300 m

#### Core Inner Diameter

25.4 mm, 12.7 mm

### Physical Characteristics

#### Dimensions (WxDxH)

XD5-40d: 194 x 248 x 169 mm (7.64 x 9.76 x 6.65 inch)  
XD5-40t: 210 x 284 x 188 mm (8.3 x 11.2 x 7.4 inch)

#### Weight

XD5-40d: 1.89 kg (4.17 lbs.)  
XD5-40t: 2.48 kg (5.46 lbs.)

#### Electrical

EnergyStar Certified,  
External Power Adaptor 100-240 V AC, 50/60 Hz

#### Display

XD5-40d & XD5-40t  
Standard: None  
Optional: FSTN LCD (200 x 100 pixels)

#### XD5-40tR

Standard: FSTN LCD (200 x 100 pixels)

### Performance Characteristics

#### Memory

STD: 64 MB SDRAM, 128 MB Flash  
Optional: ① 64 MB SDRAM, 128 MB Flash  
② 256 MB SDRAM, 256 MB Flash

#### XD5-40tR (RFID)

STD: 256 MB SDRAM, 256 MB Flash

#### Interface

Standard: USB + USB Host  
Optional:  
① USB + USB Host + Serial + Ethernet  
② USB + USB Host + Serial + Ethernet + WLAN  
③ USB + USB Host + Serial + Ethernet + Bluetooth

#### XD5-40tR (RFID)

Standard: USB + USB Host + Serial + Ethernet  
Optional:  
① USB + USB Host + Serial + Ethernet + WLAN  
② USB + USB Host + Serial + Ethernet + Bluetooth

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

Ethernet: 10/100Mbps

#### Real Time Clock

Supported (Optional)

### Environment Characteristics

#### Temperature

Operating: XD5-40d: 0 ~ 40°C (32 ~ 104°F)  
XD5-40t: 5 ~ 40°C (41 ~ 104°F)

Storage: -20 ~ 60°C (-4 ~ 140°F)

#### Humidity

Operating: 10 ~ 80% RH  
Storage: 10 ~ 90% RH

### Software

#### Emulation

SLCST<sup>™</sup>, BPL-Z<sup>™</sup>, BPL-E<sup>™</sup>, BPL-D<sup>™</sup> (Optional)

#### 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<sup>®</sup>, Network Auto Installer,  
XI(Optional)

#### Developer Tools

Android/iOS/Windows SDK, Linux SDK,  
Chrome SDK, Xamarin SDK, Web Print SDK

#### Design & Print

Label Artist-IT<sup>™</sup>, Label Artist<sup>™</sup> Mobile (Android, iOS),  
mPrint App (Android, iOS)

#### MDM (Optional)

BIXOLON Profile Manager - XPM<sup>™</sup>,  
XCM<sup>™</sup> (Windows, Android), SOTI Connect supported

### Fonts / Graphics / Symbologies

#### Fonts

Bitmap Fonts (10 SLCST<sup>™</sup>, 16 BPL-Z<sup>™</sup>, 5 BPL-E<sup>™</sup>, 9  
BPL-D<sup>™</sup>), Scalable Fonts (1 SLCST<sup>™</sup>, 1 BPL-Z<sup>™</sup>,  
1 BPL-D<sup>™</sup>), 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

#### Standard

USB cable

#### Optional

Peeler, Auto Cutter, External Paper Supply, Serial cable

#### Supplies

B-ribbon<sup>™</sup>, B-band<sup>™</sup>

#### 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 16mm