SPEC SHEET

XD5-40 Series

4-inch Direct Thermal and
Thermal Transfer
Desktop Label Printers


XD5-40d


XD5-40t


XD5-40tR

Print Characteristics

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
XD5-40: 203 dpi
XD5-43: 300 dpi
Print Width
XD5-40: Up to 108 mm
XD5-43: Up to 105.7 mm
Print Length
Up to 1,000 mm
Sensor
Transmissive (Fixed), Reflective (Adjustable),
Head Open,
Ribbon-End (XD5-40t/XD5-40tR only)

Media Characteristics

Media Type
Gap, Black Mark, Notch, Continuous,
Fan-Fold
Media Width
15 to 118 mm
Media Roll Diameter
Up to 127 mm
Media Thickness
0.06 to 0.20 mm
Supply Method
Easy Paper Loading
Inner Core
25.4 to 38.1 mm

Ribbon Characteristics

Ribbon Type
Wax, Wax/Resin, Resin, Outside
Ribbon Width
33 to 110 mm
Ribbon Length
Up to 300 m
Core Inner Diameter
25.4 mm, 12.7 mm

Physical Characteristics

Dimensions (W x L x H)
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 Adapter 100-240 VAC,
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

Memory
STD: 64 MB SDRAM, 128 MB Flash
Optional: ① 256 MB SDRAM, 256 MB Flash
② 256 MB SDRAM, 512 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: 2.4G/5GHz, 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 to 40°C (32 to 104°F)
XD5-40t: 5 to 40°C (41 to 104°F)
Storage: -20 to 60°C (-4 to 140°F)
Humidity
Operating: 10 to 80% RH
Storage: 10 to 90% RH

Software

Emulation
SLCS™, BPL-Z™ (ZPL II®), BPL-E™ (EPL™),
BPL-D™ (DPL, Optional)
Driver/Utility
Windows® Driver (Europlus/Seagull),
Linux®/macOS® CUPS Driver,
Virtual COM USB/Ethernet Driver,
Utility Program, OPOS/JPOS Driver,
Device Driver for SAP®, Network Auto Installer
Developer Tools
Android™/iOS®/Windows SDK, Linux SDK,
Xamarin SDK, Web Print SDK
(Android/iOS/Windows/macOS), 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),
Bartender Ultralite for BIXOLON
MDM (Optional)
BIXOLON Profile Manager-XPM™,
XCM™ (Windows/Android),
SOTI® Connect supported

Fonts/Graphics/Symbologies

Fonts
Bitmap Fonts (10 SLCS, 16 BPL-Z,
5 BPL-E, 9 BPL-D), Scalable Fonts
(1 SLCS, 1 BPL-Z, 1 BPL-D),
23 Code page, Unicode supported
(UTF-8, UTF-16LE, UTF-16BE)
Downloadable Objects
Supporting user-defined fonts
(TTF, TTE, FNT), 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, ISBT-128
2D: Aztec, Codablock, Code 49,
Data Matrix, MaxiCode, MicroPDF417,
PDF417, QR code, TLC 39

Accessories/Supplies

Included in the Box
AC/DC Adapter, Power Cord, USB Cable
XD5-40t: Holder Ribbon x 2,
Core Paper (0.5-inch, 1-inch)
Options & Accessories
Peeler, Auto Cutter,
External Paper Supply, Serial Cable
Compatible Supplies
B-ribbon™, B-band™

RFID

Frequency
UHF, 865 to 868 MHz (EU),
902 to 928 MHz (KR, USA)
Transmit Power
1W
Modulation
ASK
Protocol
ISO 18000-6C (EPC Class1 Gen2)
Auto Cutter
Optional
Tag Pitch
Min 16 mm

BIXOLON
www.BIXOLON.com

BIXOLON Co.,Ltd.
+82 31 218 5500
sales@bixolon.com

BIXOLON America Inc.
+1 858 764 4580
sales@bixolonusa.com

BIXOLON Mexico
+521 55 8852 7880
marcelo@bixolonmx.com

BIXOLON Europe GmbH
+49 211 68 78 54 0
sales@bixolon.de

BIXOLON MEA
+971 4 222 6480
Russell@bixolon.com

Copyright © BIXOLON Co., Ltd. All rights reserved. Features and specifications are subject to change without prior notice.

July 2025