

## Industrial Label Printer X-Series

**X-2300** 203dpi



**X-2300E** 203dpi



**X-3200** 300dpi



**X-3200E** 300dpi



# Industrial Label Printer X-Series

## Features

- For heavy duty labeling demand, and LCD display for easy to operate
- 32-bit CPU and 8MB Flash; 16MB SDRAM memory standard
- Multiple communication interfaces – Parallel, RS-232, USB, PS/2 Keyboard, Ethernet to fit in systems
- Media Auto Calibration function
- SNMP trap function for network management
- Real Time Clock (RTC) Built-in
- PPLA/PPLB/PPLZ emulations available
- Improve printing noise
- Reflective(Movable) & transmissive(Movable) sensors available
- Ribbon wound ink-side out or ink-side in available
- Support Windows 7 and Windows 8
- Add 1D/GS1 & 2D/Composite codes and QR barcodes
- Industrial-strength media management: Max 360M ribbon wax and 8" OD media (3" core) capacity
- User-friendly Software and Utility: BarTender/Printer Utility/Font Utility included
- Full range of options : Cutter, Dispenser, Rewinder, Stacker, Argokee

## Applications

Shipping & receiving  
Inventory labeling  
Retail tag  
Shelf labeling  
Packaging  
Cargo tracking  
Luggage labeling  
Logistic labeling  
Work in process  
Parts marking  
Product labeling  
Compliance labeling  
Pallet labeling  
Electronics parts labeling

**ARGOX**  
*Empower the Barcode*





## Product Values

X-2300



X-2300E



X-3200



X-3200E



### X-2300 / X-2300E

The X-2300 is a high-performance, flexible, and easy-to-use industrial barcode printer with Ethernet(X-2300E) capabilities. The durable X-2300 features direct thermal/thermal transfer printing with 203dpi print resolution, up to 6ips printing speed, and for heavy duty labeling demand. A 32-bit CPU, 8MB Flash and 16MB SDRAM onboard memory assure high quality printing. Communication interfaces include parallel port, RS-232, USB, PS/2 keyboard and optional Ethernet (X-2300E) for easy connectivity. An SNMP trap function allows the monitoring of network-attached devices in real-time. The X-2300's standard PS/2 interface connects an input device such as a keyboard or scanner for stand-alone operation. The multilingual LCD offers easy installation and operation, and a built-in RTC lets you print times on labels. The flexible X-2300 has an adjustable reflective and transmissive double sensor system that ensures precise label detection for many types of media. A printer switch lets you use either inside or outside coated ribbons. The X-2300 offers the latest features, high-performance, flexibility, and easy operation, delivering exceptional value all at a competitive price.

### X-3200 / X-3200E

The X-3200 industrial barcode printer features 300dpi printing for high quality text and graphics on fabric labels, safety labels and labels for small items such as jewelry. The heavy duty X-3200 is capable of 5ips print speed using its 32-bit RISC microprocessor. The 8MB Flash and 16MB DRAM onboard memory facilitates high quality printing. An internal RTC lets you print time and dates on labels. RS-232, parallel, USB and optional Ethernet (X-3200E) interfaces allow easy plug-and-play integration with your current system. For stand-alone operation the X-3200 has a standard PS/2 interface for connecting an input device such as a keyboard or scanner, as well as a multilingual LCD display for convenient installation, configuration, and operation. The X-3200 and X-3200E printers provide outstanding value as it delivers industrial strength high quality printing for a wide range of labels.



> X Series, Argokée & Scanner



> Cutter mode



> Dispenser mode



> Inside of X-series

| Specifications           | X-2300                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | X-2300E                                | X-3200                               | X-3200E                                |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|--------------------------------------|----------------------------------------|
| Printing Method          | Direct Thermal / Thermal Transfer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |                                      |                                        |
| Printing Resolution      | 203 dpi(8 dots/mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        | 300 dpi(12 dots/mm)                  |                                        |
| Printing Speed           | 2~6 ips(51~152mm/s)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        | 1~5 ips(25.4~127mm/s)                |                                        |
| Printing Length          | Max 100"(2540mm) Min 0.2" (5mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        | Max. 50"(1270 mm) Min 0.2" (5mm)     |                                        |
| Printing Width           | Max 4.09"(104mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        | Max 4.16"(105.7mm)                   |                                        |
| Memory                   | 16 MB DRAM (13MB User Available)<br>8MB Flash ROM (6MB User Available)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                        |                                      |                                        |
| CPU Type                 | 32 bit RISC microprocessor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        |                                      |                                        |
| Media Sensor             | Media gap & black line Reflective sensor x 1 (Movable)& Transmissive sensor x 1 (Movable)<br>/ Head open switch / Ribbon end sensor                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                        |                                      |                                        |
| Display                  | Multilingual Back-lit LCD Display 16 x 2-line,<br>LED indicator (Ready/Media/Ribbon)x 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                      |                                        |
| Operation Interface      | Button (Feed(Config.)/Pause(Calibr.)/Cancel(Reset)) x 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                      |                                        |
| Communication Interface  | X-2300/X-3200: Centronics Parallel, RS-232 serial (Baud rate:2400~115200 bps), USB, PS/2 keyboard<br>X-2300E/X-3200E: Centronics Parallel, RS-232 serial (Baud rate:2400~115200 bps), USB, PS/2 keyboard, Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                      |                                        |
| Fonts                    | Internal character sets standard<br>5 alpha-numeric fonts from 0.049"H ~ 0.23" H (1.25mm ~ 6.0mm)<br>Internal fonts are expandable up to 24x24<br>4 direction 0° ~ 270° rotation<br>Soft fonts are downloadable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                                      |                                        |
| 1D Barcodes              | <u>PPLA</u> : Code 39, UPC-A, UPC-E, Code 128 subset A/B/C, EAN-13, EAN-8, HBIC, Codabar, Plessey, UPC2, UPC5, Code 93, Postnet, UCC/EAN-128 UCC/EAN-128 K-MART, UCC/EAN-128 Random Weight, Telepen, FIM, Interleave 2 of 5 (Standard/with modulo 10 checksum/with human readable check digit/with modulo 10 checksum & shipping bearer bars), GS1 Data bar (RSS)<br><br><u>PPLB</u> : Code 39 Std. & Extended, UPC-A, UPC-E, UPC-Interleaved 2 of 5, Code 39 with check sum digit, Code 93, EAN-13, EAN-8 (Standard, 2 /5digit add-on), Codabar, Postnet, Code128 subset A/B/C, Code 128 UCC (shipping container code), Code 128 auto UCC/EAN code 128 (GS1-128), Interleave 2 of 5, Interleaved 2 of 5 with check sum, Interleaved 2 of 5 with human readable check digit, German Postcode Matrix 2 of 5, UPC Interleaved 2 of 5, EAN-13 2/5 digit add-on, UPCA 2/5 digit add-on, UPCE 2/5 digit add-on, GS1 Data bar (RSS)<br><br><u>PPLZ</u> : Code39, UPC-A, UPC-E, Postnet, Code128 subset A/B/C, Interleave 2 of 5, Interleaved 2 of 5 with check sum, Interleaved 2 of 5 with human readable check digit, Code 93, Code 39 with check sum digit, MSI, EAN-8, Codabar, Code 11, EAN-13, Plessey GS1 Data bar (RSS), Industrial 2 of 5, Standard 2 of 5, Logmars |                                        |                                      |                                        |
| 2D Barcodes              | <u>PPLA/PPLZ</u> : MaxiCode, PDF417, Data Matrix (ECC 200 only), QR code, Composite Codes, Aztec Barcode<br><u>PPLB</u> : MaxiCode, PDF417, Data Matrix (ECC 200 only), QR code, Composite Codes, Aztec Barcode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        |                                      |                                        |
| Graphics                 | <u>PPLA/PPLB</u> : PCX, BMP, IMG, HEX,GDI, Binary raster(PPLB Only)<br><u>PPLZ</u> : GRF, Hex and GDI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |                                      |                                        |
| Emulation                | X-2300: PPLA / PPLB<br>X-2300Z: PPLZ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | X-2300E: PPLA / PPLB<br>X-2300ZE: PPLZ | X-3200: PPLA / PPLB<br>X-3200Z: PPLZ | X-3200E: PPLA / PPLB<br>X-3200ZE: PPLZ |
| Software - Label editing | Windows Driver (Windows XP/ Vista /7/8 ), BarTender® from Seagull Scientific                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |                                      |                                        |
| Software - Utility       | Printer Utility 、 Font Utility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                        |                                      |                                        |
| Media Type               | Roll-feed, die-cut, continuous, fan-fold, tags, ticket in thermal paper or plain paper and fabric label                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                      |                                        |
| Media                    | Max Width:4.4"(112mm)<br>Min Width:1"(25.4mm)<br>Thickness:0.0025"~0.01"(0.0635~0.254mm)<br>Max roll capacity(OD):8"(203mm) Core size:3"(76mm) / Max roll capacity(OD):7"(177.8mm) Core size:1.5"(38mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                      |                                        |
| Ribbon                   | Ribbon roll – max OD: 3"(76mm) Ribbon Length: max 360m wax, 300m resin<br>Core size – ID: 1"(25.4mm) with notch, Ribbon Width: 1"~4"<br>Wax, Wax/Resin, Resin (Ribbon wound ink-side in or ink-side out available)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                      |                                        |
| Dimensions               | W 250mm x H 263mm x L 418mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                        |                                      |                                        |
| Weight                   | 24lbs(11kgs)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                        |                                      |                                        |
| Power Source             | Internal Universal Switching Power Supply: Input voltage: 100~240VAC 50~60Hz, 5A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                        |                                      |                                        |
| Operation Environment    | Operation Temperature: 40°F~100°F (4°C~38°C), 10% ~ 90% non-condensing,<br>Storage Temperature: -4°F~122°F (-20°C~50°C)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                        |                                      |                                        |
| Real Time Clock (RTC)    | Standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                        |                                      |                                        |
| Optional Items           | Guillotine cutter, Rotary cutter, Dispenser Kit, Rewinder, Media Stacker, ArgoKee                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                        |                                      |                                        |
| Agency Listing           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                                      |                                        |

