



Industrial Printers

ZX400 Pro/ ZX400i Pro series

Power & Precision in One Compact Design

Small in size and powerful in performance. Upgraded Flash and SDRAM enable the ZX400(i) Pro series to withstand more difficult printing conditions.

Multiple interfaces and WiFi & Bluetooth wireless connectivity make the ZX400(i) Pro suitable for most application environments.



PDF Printing

Directly print PDF files without needing a driver, making them compatible with various operating platforms such as Windows/Linux/Android/iOS/MAC.



IEEE 802.1X Protocol

Supports 802.1X network authentication, providing a more secure network authentication process for users who are using LAN transmission.



Wireless Connectivity

Can be paired with a USB WiFi or Bluetooth dongle to enable wireless connectivity (for supported Dongle info, refer to user manual).

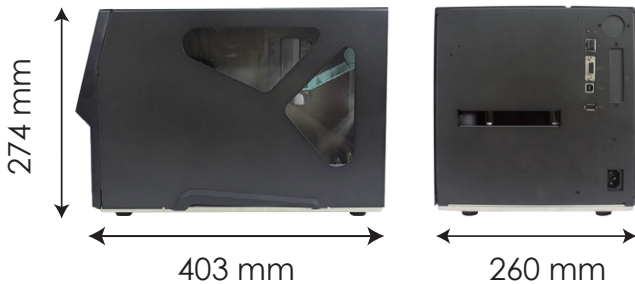
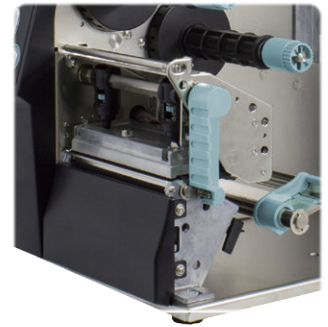


Sleek & Stylish Design

Compact size and powerful performance. Side open for easy ribbon and label installation. Upgraded Flash (16GB) and SDRAM (512 MB) enable the ZX400(i) Pro series to handle larger data transfers and store more fonts, labels, and graphics.

Die-Cast Printing Mechanism

The ZX400(i) Pro printing mechanism is made with a die-cast design, providing strong durability. The adjustable printhead pressure and print line design can be calibrated for specialized media, meeting various printing material requirements.

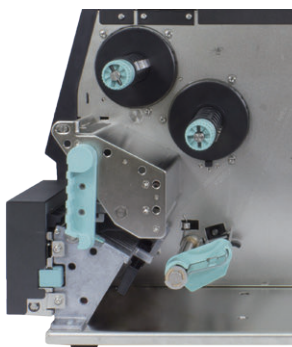
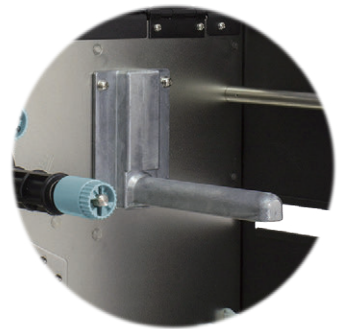


Small Footprint

Small footprint (403 mm Length x 260 mm Width) with industrial efficiency; ideal for users who need to consider the use of space.

1" Label Roll Holder

The strong die-cast label roll holder can support a 1-inch label core, allowing "desktop" printer users to operate the ZX400(i) Pro series without having to purchase another type of label.



Simple Maintenance

The ZX400(i) Pro series is designed to simplify the printing process by being easily serviceable and making consumable replacement a breeze. The tool-less platen roller, and 3 step print head removal process, make it easier than ever to manage and maintain the printer.

Specification

2024/08/12

Model					
		ZX420 Pro	ZX430 Pro	ZX420i Pro	ZX430i Pro
Print Method		Thermal Transfer / Direct Thermal			
Resolution		203 dpi (8 dots/mm)	300 dpi (12 dot/mm)	203 dpi (8 dots/mm)	300 dpi (12 dot/mm)
Print Speed		Up to 6 ips (152 mm/s)	Up to 5 ips (127 mm/s)	Up to 6 ips (152 mm/s)	Up to 5 ips (127 mm/s)
Print Width		4.25" (108 mm)	4.16" (105.7 mm)	4.25" (108 mm)	4.16" (105.7 mm)
Print Length		Min. 0.12" (3 mm)** ; Max. 400" (10,160 mm)	Min. 0.12" (3 mm)** ; Max. 350" (8,890 mm)	Min. 0.12" (3 mm)** ; Max. 400" (10,160 mm)	Min. 0.12" (3 mm)** ; Max. 350" (8,890 mm)
Processor		32 Bit RISC CPU			
Memory	Flash	16 GB Storage(Free for user storage 12 GB)			
	SDRAM	512 MB			
Sensor Type		Adjustable reflective sensor and transmissive sensor, left aligned			
Media	Type	Continuous form, gap labels, black mark sensing, and punched hole; label length set by auto sensing or programming			
	Width	Tear : Min. 1" (25.4 mm) – Max. 4.65" (118 mm) Cutter : Max. 4.61" (117 mm) Dispenser : Max. 4.33" (110 mm)			
	Thickness	Min. 0.0024" (0.06 mm) – Max. 0.01" (0.25 mm)			
	Label roll diameter	Max. 8" (203.2 mm) with 3" (76.2 mm) core Max. 6" (152.4 mm) with 1.5" (38.1 mm) core Max. 5" (127 mm) with 1" (25.4 mm) core			
	Core diameter	Min. 1 " (25.4 mm) – Max. 3" (76.2 mm)			
Ribbon	Types	Wax, wax/resin, resin			
	Length	Max. 1476' (450 m)			
	Width	Min. 1.18" (30 mm) – Max. 4.33" (110 mm)			
	Ribbon roll diameter	3" (76.2 mm)			
	Core diameter	1" (25.4 mm)			
Printer Language		EZPL, GEPL, GZPL, GDPL auto switch			
PDF Documents		Supports to print PDF documents			
Software	Label design tool	GoLabel II (for EZPL only) (Windows)			
	Management tools	GoTools (Windows / Android / iOS) GoUtility (Windows)			
	APP	GoAPP (Android / iOS)			
Driver		Windows 7, Windows 8 & 8.1, Windows 10, Window11, Windows Server 2008 R2, 2012, 2012 R2, 2016, 2019, 2022, MAC, Linux			
SDK		Win CE, .NET, Windows 7, Windows 8 & 8.1, Windows 10, Windows 11, Android, Mac, iOS			
Resident Fonts	Bitmap fonts	6, 8, 10, 12, 14, 18, 24, 30, 16X26 and OCR A & B 0° , 90° , 180° , 270° rotatable, single characters 0° , 90° , 180° , 270° rotatable 8 times expandable in horizontal and vertical directions			
	TTF Fonts	(Bold / Italic / Underline) 0° , 90° , 180° , 270° rotatable Internal TTF Fonts x5 : Traditional Chinese, Simplified Chinese, Japanese, Korean, Western languages			

Download Fonts	Bitmap fonts	0°, 90°, 180°, 270° rotatable, single characters 0°, 90°, 180°, 270° rotatable	
	Asian fonts	16x16, 24x24. Traditional Chinese (BIG-5), Simplified Chinese(GB2312), Japanese(S-JIS), Korean (KS-X1001) 0°, 90°, 180°, 270° rotatable and 8 times expandable in horizontal and vertical directions	
	TTF fonts	(Bold / Italic / Underline) 0°, 90°, 180°, 270° rotatable	
Barcodes	1-D Bar codes	China Postal Code, Codabar, Code 11, Code 32, Code 39, Code 93, Code 128 (subset A, B, C), EAN-8/EAN-13 (with 2 & 5 digits extension), EAN 128, FIM, German Post Code, GS1 DataBar, HIBC, Industrial 2 of 5, Interleaved 2-of-5 (I 2 of 5), Interleaved 2-of-5 with Shipping Bearer Bars, ISBT-128, ITF 14, Japanese Postnet, Logmars, MSI, Postnet, Plessey, Planet 11 & 13 digit, RPS 128, Standard 2 of 5, Telepen, Matrix 2 of 5, UPC-A/UPC-E (with 2 or 5 digit extension), UCC/EAN-128 K-Mart, Random Weight and Pharmacode	
	2-D Bar codes	Aztec code, Code 49, Codablock F, Datamatrix code, MaxiCode, Micro PDF417, Micro QR code, PDF417, QR code, TLC 39, GS1 Composite, DotCode, Marco PDF 417	
Code Pages		Codepage 437, 737, 850, 851, 852, 855, 857, 860, 861, 862, 863, 865, 866, 869 Windows 1250, 1251, 1252, 1253, 1254, 1255, 1257 Unicode UTF8, UTF16BE, UTF16LE	
Graphics		Resident graphic file types are BMP and PCX, other graphic formats are downloadable from the software	
Interfaces		• USB 2.0 (Type B) • USB Host (Type A)	• USB 2.0 (Type B) • Serial Port (RS232) • Ethernet 10/100 Mbps (IEEE 802.1X) • USB Host (Type A)
Wireless Connection		Supports commercially available Linux USB dongle (WiFi, BT)***	
Control Panel		• 1 Power on/standby button with green color LED backlight • 1 Calibration button at rear panel • 1 Control key : FEED / PAUSE / CANCEL with dual color LED backlight: Ready (Green); Error (Red)	• Color TFT LCD with navigation button • 1 Power on/standby button with green color LED backlight • 1 Calibration button at rear panel • 1 Control key : FEED / PAUSE / CANCEL with dual color LED backlight: Ready (Green); Error (Red)
Real Time Clock		Standard	
Power		Internal auto switching power supply Input: AC 100-240V, 50-60Hz	
Environment	Operation temperature	41°F to 104°F (5°C to 40°C)	
	Storage temperature	-4°F to 140°F (-20°C to 60°C)	
Humidity	Operation	20-85%, non-condensing.	
	Storage	10-90%, non-condensing.	
Agency Approvals		CB, CE (EMC), FCC Class B, ICES-003, cULus, UKCA, Energy Star ****	
Dimension	Length	403 mm (15.9")	
	Width	260 mm (10.2")	
	Height	274 mm (10.8")	
Weight		10.8 Kg (23.81lbs), excluding consumables	
Options		Cutter module (User Install) Label Dispenser (User Install) External label unwind stand External label rewinder	

* Specifications are subject to change without notice. All company and/or product names are trademarks and/or registered trademarks of their respective owners.

** Minimum print height and maximum print speed specification compliance can be dependent on non-standard material variables such as label type, thickness, spacing, liner construction, etc. Godex is pleased to test non-standard materials for minimum print height, and maximum print speed capability.

*** Verified USB dongle brands and models, please refer to User Manual for detailed information.

**** The safety certification marks may be different depending on sales regions.

Applications

Applications for Labels & Barcodes

ZX400 Pro / ZX400i Pro series is extremely versatile and can be used for most applications.



Retail

price tags, content labels, receipts for registered mail, postage labels, etc.



Warehouse

shelf labels, product labels, stocking management, exterior/pallet labeling, etc.



Manufacturing

product labels, manufacturing labels, exterior/pallet labels, trade, stocking and document management, etc.



Forget about installing complicated software, GoTools will show you the easiest way.



GoUtility can help users monitor GoDEX's printer status and deploy data to multiple printers through a concise user interface at the same time.