Desktop Printers

RT800i Pro series

The Ultimate Printer for Your Creative Needs

The RT800i Pro series, perfect for creative tasks, features PDF printing, USB WiFi or Bluetooth connectivity, and a user-friendly 3.2-inch LCD touchscreen. The RT863i Pro model stands out with 600dpi prints and a 300m ribbon, while dual USB ports enable broad device compatibility, enhancing memory and wireless connectivity.

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).

Ingenious Mechanism Design

The clamshell design ensures an easy-to-use experience for installing consumables. Additionally, the rod-less label roll holder simplifies loading and promotes a smooth feeding process.

Intuitive 3.2" Touch Screen

A 3.2-inch color touchscreen LCD panel has been incorporated to provide users with an intuitive and easily understandable experience.

Support Various Printing Resolution

The RT800i Pro series provides a variety of print resolutions, including 203dpi, 300dpi, and 600dpi, catering to different printing quality requirements. Additionally, equipped with a 300-meter ribbon capacity, the RT800i+ minimizes the need for frequent ribbon replacements. You can focus on your creative work without interruptions.

Multiple Connection Interfaces

The RT800i Pro series is equipped with multiple interfaces, including USB, RS232, Ethernet, and two USB ports. Furthermore, this series seamlessly supports USB WiFi or Bluetooth dongle, ensuring effortless wireless connectivity.

Easy-to-Use Auto-Calibration Button

The C button's innovative design simplifies media calibration into a one-touch process.

Large Memory

The RT800i Pro series features 16 GB of flash memory and 512 MB of SDRAM, enabling seamless storage and efficient processing of a diverse range of printing data. Additionally, this series includes ive TrueType fonts, supporting various languages including Korean, Japanese, Simplified Chinese, Traditional Chinese, and Western languages, ensuring global compatibility.

Specification

Model		RT823i Pro	RT833i Pro	RT863i Pro
Print Method		Thermal Transfer / Direct Thermal		
Resolution		203 dpi (8 dots/mm)	300 dpi (12 dot/mm)	600 dpi (24 dots/mm)
Print Speed		Up to 8 ips (203 mm/s)	Up to 6 ips (152 mm/s)	Up to 4 ips (102 mm/s)
Print Width		4.25" (108 mm)	4.16" (105.7 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. 100" (2,540 mm)
Processor		32 Bit RISC CPU		
Memory	Flash	16 GB(Free for user storage 12 GB)		
	SDRAM	512 MB		
Sensor Type		Adjustable reflective sensor. Fixed transmissive sensor. Central aligned		
Media	Type	Continuous form, gap labels, black mark sensing, and punched hole; label length set by auto sensing or programming		
	Width	Min. 0.79" (20 mm) – Max. 4.65" (118 mm)		
	Thickness	Min. 0.0024" (0.06 mm) – Max. 0.008" (0.2 mm)		
	Label roll diameter	Max. 5" (127 mm)		
	Core diameter	1 " (25.4 mm), 1.5" (38.1 mm)		
Ribbon	Types	Wax, wax/resin, resin		
	Length	Max. 984' (300 m)		
	Width	Min. 1.18" (30 mm) – Max. 4.33" (110 mm)		
	Ribbon roll diameter	2.67" (68 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)		
	Satin ribbon printing tool	GoRibbon (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) ・Serial port (RS232) ・Ethernet 10/100 Mbps (IEEE 802.1X) ・USB Host x 2 (Type A)
Wireless Connection		Supports commercially available Linux USB dongle (WiFi, BT) ***
Control Panel		・Backlight 3.2" Touch Screen LCD ・1 Power on/off button ・1 Control key: FEED / PAUSE / CANCEL ・1 Calibration button at rear panel
Real Time Clock		Standard
Power		External auto switching power supply Input: AC 100-240V, 50-60Hz Output: DC 24V, 2.5A
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	25-85%, non-condensing.
	Storage	10-90%, non-condensing.
Agency Approvals		CE (EMC), FCC Class B, ICES-003, CB, UKCA, cULus, BSMI, CCC, Energy Star ****
Dimension	Length	280 mm (11.0")
	Width	215 mm (8.46")
	Height	193 mm (7.6")
Weight		2.7 Kg (5.9 lbs), 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.