



Desktop Printers

RT800i+ Series

The Ultimate Printer for Your Creative Needs

The RT800i+ series has a variety of features that make it the perfect choice for any creative project. This series has a 3.2-inch color touchscreen LCD panel designed for ease of use. It leads the industry with 3 USB ports as a standard feature, allowing extensive integration with several devices like flash drives, scanners, and keyboards for extended memory and standalone operation. The RT863i+ can produce high-quality prints with 600dpi resolution and a 300m ribbon capacity.

Ingenious Mechanism Design

The clamshell design mechanism offers a user-friendly experience for installing consumables. A rod-less label roll holder facilitates easy loading and a smooth feeding process.



Intuitive 3.2” Touch Screen

A 3.2-inch color touchscreen LCD panel has been implemented to give users an intuitive and comprehensible experience.

Support Various Printing Resolution

The RT800i+ series offers a variety of print resolutions (203dpi, 300dpi, and 600dpi) to accommodate various printing quality needs. It has a 300-meter ribbon capacity to minimize the need for frequent ribbon replacement.



Multiple Connection Interfaces

The RT800i+ Series comes equipped with multiple interfaces such as USB, RS232, Ethernet, and 3 USB ports. The series also offers an optional WiFi and Bluetooth combo module for wireless connectivity and easy integration.

Easy-to-Use Auto-Calibration Button

The C button's innovative design makes media calibration a simple one-touch process.



Large Memory

This RT800i+ series is equipped with 128MB Flash Memory and 128MB SDRAM Memory, containing five TrueType fonts which support multiple languages, including Korean, Japanese, Chinese Simplified, Chinese Traditional, and Western languages, providing global support.

Specification

2024/08/06

Model				
		RT823i+	RT833i+	RT863i+
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 . 279.53" (7100 mm)	Min. 0.12" (3 mm)** ; Max. 125.98" (3200 mm)	Min. 0.12" (3 mm)** ; Max . 31.5" (800 mm)
Processor		32 Bit RISC CPU		
Memory	Flash	128 MB (Free for user storage 34 MB)		
	SDRAM	128 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	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		
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		<ul style="list-style-type: none"> • USB 2.0 (Type B) • Serial port (RS232) • Ethernet 10/100 Mbps • USB Host*3 (Type A)
Real Time Clock		Option
Control Panel		<ul style="list-style-type: none"> • Backlight 3.2" Touch Screen LCD • Calibration button • Control Key : FEED • Power on/standby button
Power		Auto Switching 100-240VAC, 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	25-85%, non-condensing.
	Storage	10-90%, non-condensing.
Agency Approvals		CE (EMC), FCC Class B, CB, cULus, ICES-003, UKCA, 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 (Dealer Install) Label dispenser (Dealer Install) BT (Dealer Install) Wireless LAN (IEEE 802.11 b/g/n) (Dealer Install) WiFi module to WiFi (IEEE 802.11 b/g/n) and BT (BLE 5.0) combo module (Dealer Install) External label unwind stand External label rewinder Real time clock (RTC)

* 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.

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