

PRODUCT GUIDE

SATO CT4i Series

Compact sized high performance label
& wristband printer

(CT408i, CT412i, CT424i)



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ABOUT SATO CORPORATION

- SATO Corporation was established in Japan in 1940 to manufacture and sell packaging machinery. In 1962, SATO invented the world's first hand-held labeler, launching operations as an international supplier of labeling machinery.
- In 1979, SATO introduced the world's first thermal transfer barcode printer, Model 2311. SATO has continued to be at the forefront of thermal printing technologies. Barcodes have proven to be a medium for inputting information that satisfies all operational requirements, including high reading speed, incomparable accuracy, and low cost. Barcodes have gone into widespread use in a variety of business sectors. Recognizing this, SATO Corporation has developed barcode solutions for a wide spectrum of markets and applications. Continuing the tradition of leading-edge development, SATO recently introduced a line of RFID-capable printers, leading the way for the next round of product identification developments.
- Today, SATO continues its tradition of designing and manufacturing high quality industrial printers, which deliver reliable performance with each print job.
- Information about SATO and SATO products can be found at <http://www.satoeurope.com>



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1 SATO CT4i SERIES POSITIONING

SATO's CT4i Series of printers are the "best in breed" for the thermal printing of wristbands and labels. Its small, compact design makes it a clear winning alternative to many other compact-sized thermal printers. Small, yet robust, the CT4i Series will consistently provide you quality printing whenever you need, wherever you need.

By design the CT4i printers are quiet enough to be placed in the most sensitive of areas. A product designed for high-quality, high performance, demanding applications.

The CT4i series is a new family of 4" wide printers designed to be more user-friendly, more application flexible and more feature-laden than any previous SATO compact desktop printer.

Some of the CT4i newest and most unique features include:

- **Feature-Rich Compact Printer**

- **High Print Resolution**

- **Flexible Interface**

Two interfaces provided as standard: USB and RS232C or USB and Internal Ethernet

- **Anti-Microbial Casing**

- **RFID Option**

- **Easy Media and Ribbon Loading**

- **Easy Maintenance and Troubleshooting**

SATO printers have achieved near legendary status in terms of reliability and – when necessary – ease of service. SATO designers continued this philosophy when formulating the plans for the new CT4i printers. The goal was to make a printer that was even more service-friendly than all previous models. That goal was achieved through the following key features:

- **One-touch, tool-less print head release mechanism for fast and efficient print head changes**

- **The platen roller can be changed without tools from the front side of the printer in a matter of minutes.**

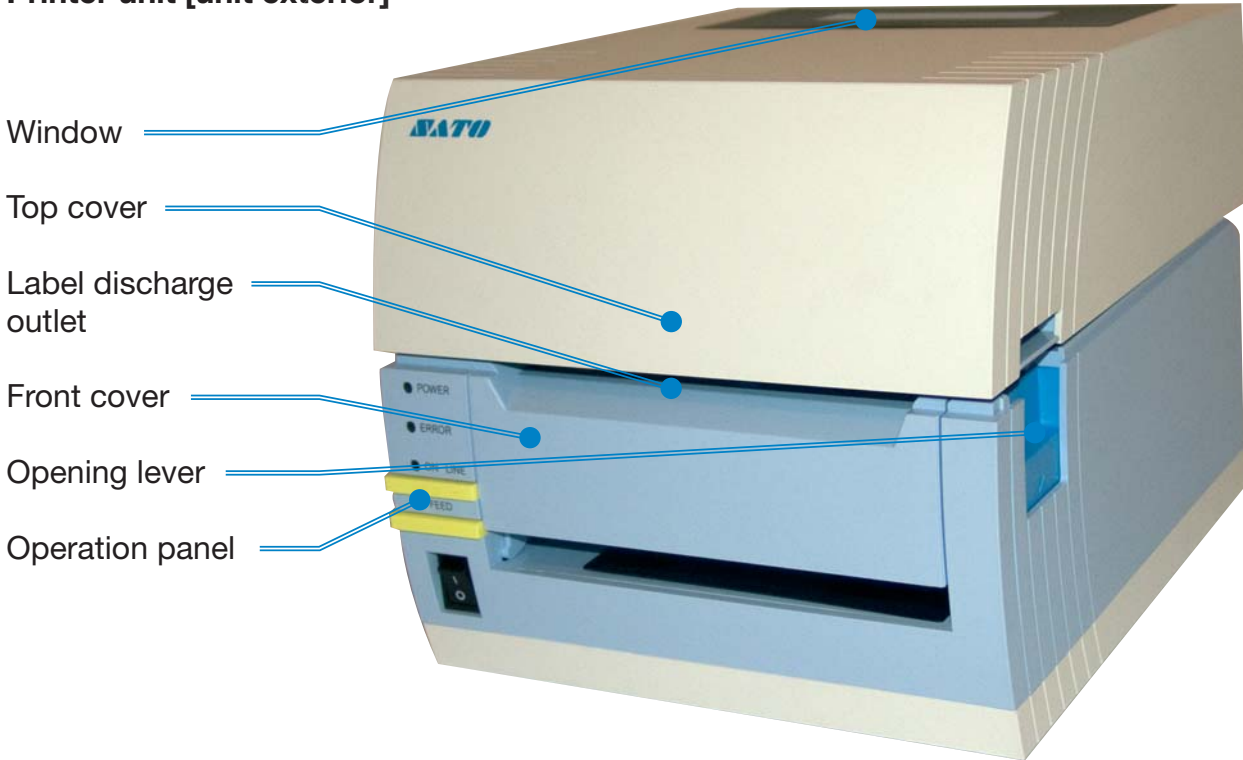
This new generation of SATO printer builds upon SATO's strong tradition of reliability, durability and usability while offering the features and benefits in demand by today's users.



2 CT4i SERIES PRODUCT TOUR

Front View

Printer unit [unit exterior]



[POWER] lamp
Illuminates (green) when the power switch is on.

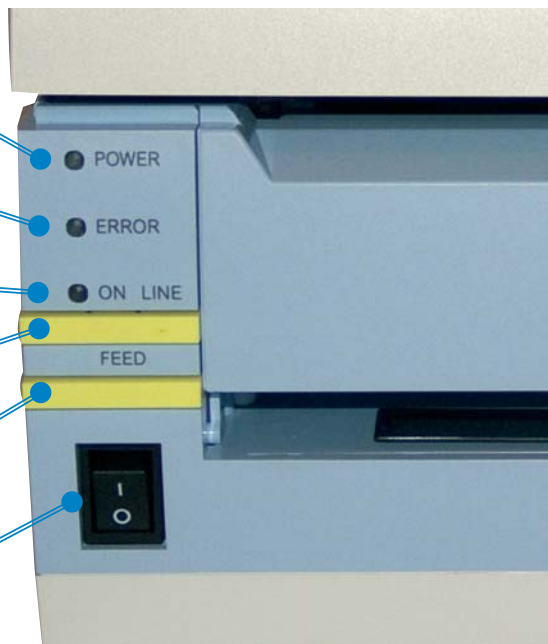
[ERROR] lamp
Illuminates or flashes (red) when an error occurs.

[ON LINE] lamp
Illuminates (green) when reception is possible.

[ON LINE] key
This is press to stop/restart and to terminate data reception.

[FEED] key
This feeds the paper when pressed while the printer is online.

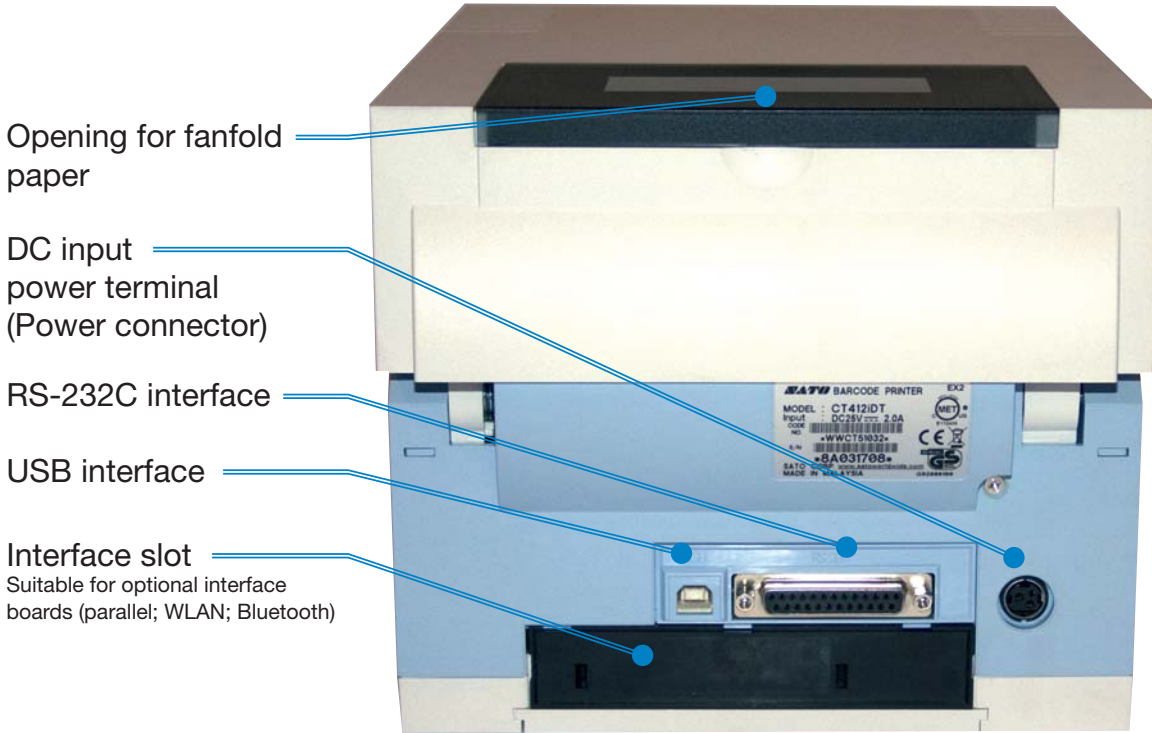
Power switch



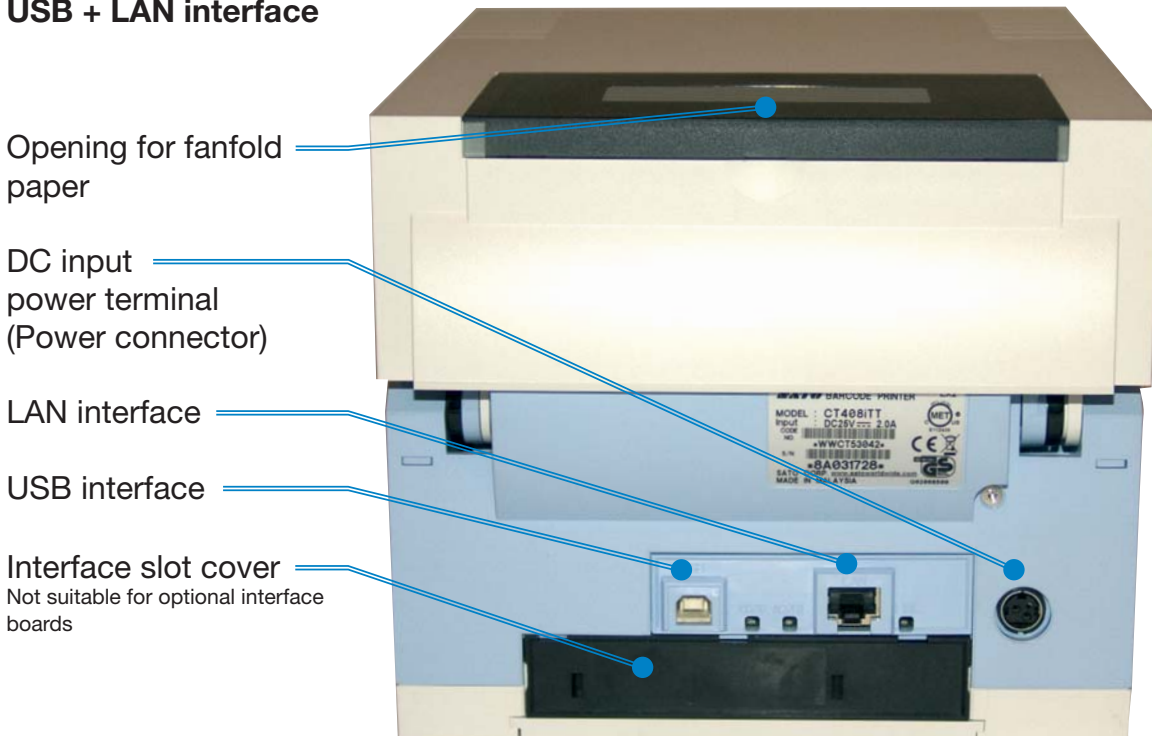


Rear View

Type 1 USB + RS-232C interface



Type 2 USB + LAN interface

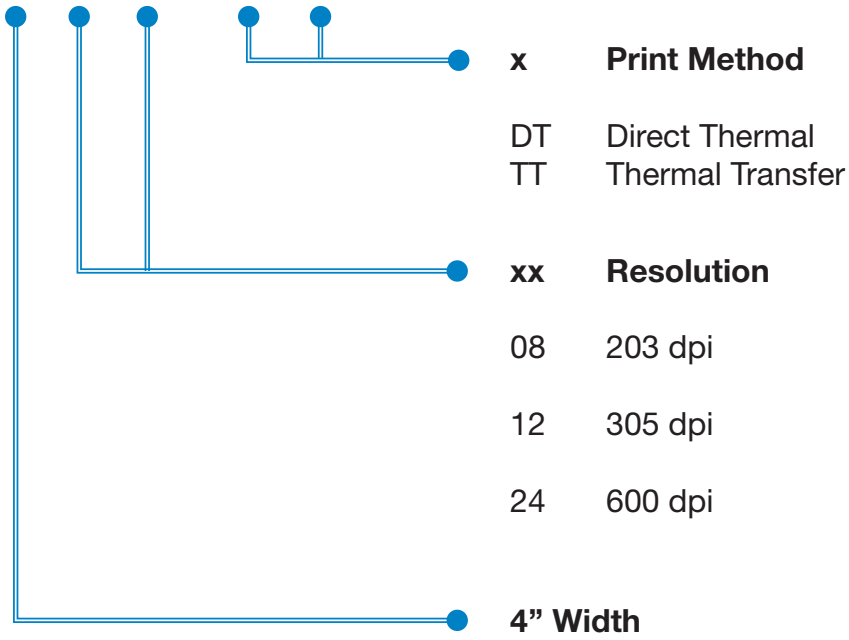




2 CT4i SERIES PRODUCT TOUR

Nomenclature

CT4xxixT





③ UNIQUE SELLING POINTS

■ Compact and Modular Design

Available in Direct Thermal only or in Direct Thermal / Thermal Transfer Version

For CT4iDT Series

Thermal head

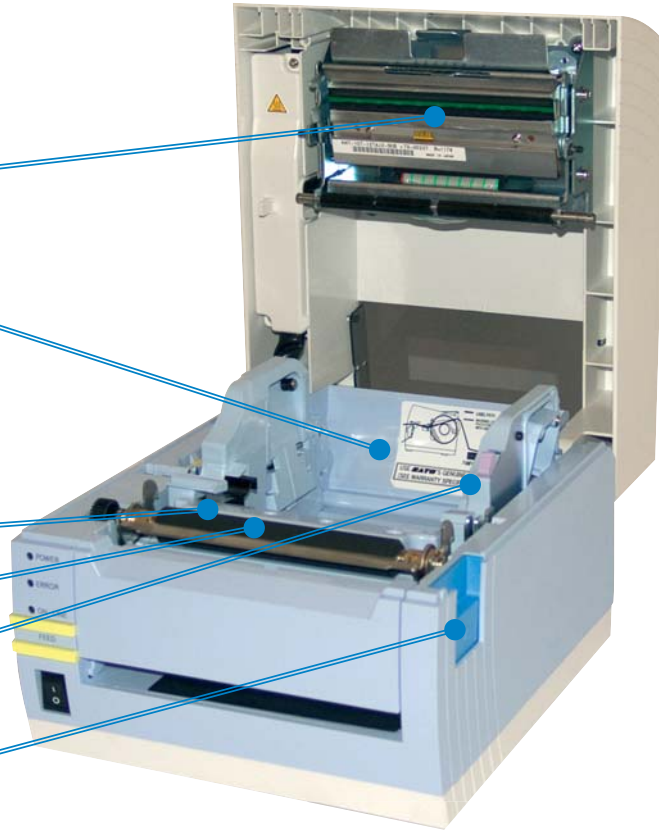
Paper holder

Paper sensor

Platen roller

Paper holder
slide lever

Top cover lock



For CT4iTT Series

Ribbon unit





③ UNIQUE SELLING POINTS

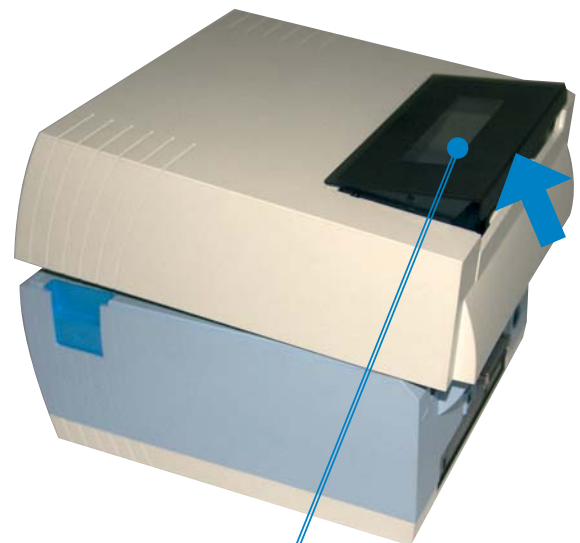
- The physical design is **compact** and **lightweight** (3,0 kg excl. power adapter)
Printer Dimension (W x D x H): 198 x 225 x 181 mm
In comparison (W x D): A4 sheet 210 x 297 mm

- **Easy media loading**

The cover is **easy to open** during media loading

The new ribbon/label mechanism design of the CT4i Printer gives the user maximum access to the inside of the printer for the easy loading of ribbon and labels.

Colored and clearly marked components guide the user on how to load a new ribbon and label.



Window
for fanfold media or
external media supply

- **Centered Paper Path**

CT4i printers have a straight centered media path. No matter which media is used, the head alignment is always optimal.



■ **Carbon Ribbon**

CT4xxiTT could use ribbons of up to 110 mm width. Carbon ribbons with a width greater than 92 mm could be loaded directly into the ribbon unit. For ribbons < 92 mm a ribbon adapter has to be used; 2 adapters (unwind/rewind) come with each printer.



Ribbon adapter



For 76 mm or 59 mm



For 45 mm



For 76 mm or 59 mm



For 45 mm

■ **Printer Throughput and Performance**

A hallmark of SATO printers has always been the speed with which label data is processed, resulting in the industry’s fastest time to “first label out”. SATO’s leadership position in this important area is retained with the introduction of the CT4i series printers.

■ **Multiple Print Resolution Availability**

The CT4i series printer is available in 203 dpi, 305 dpi and 600 dpi resolution – each at a full 104 mm print width. Each of these print resolutions is available within the same CT4i base model. End users with multiple resolution requirements within the same location now have a common SATO printer platform. This is more efficient for end users due to the commonality of spare parts, training, service procedures and preventive maintenance. Essentially, this result in one printer model configured to the needs of each individual production line or product.

■ **High Resolution Printing**

- Ideal for printing small 2D barcodes or patient’s photo on wristbands.
- The CT424i is currently the only 600 dpi 4” desktop printer in the market.

High resolution printing





③ UNIQUE SELLING POINTS

■ Increased Print Speed Capability & Control

With print speeds up to 150 mm/s (6ips) at 203 dpi, 102 mm (4 ips) at 305 dpi and 76 mm/s (3 ips) at 600 dpi, the new CT4i series Printers from SATO are among the fastest compact printer on the market today.

Actual achievable print speeds will vary depending upon environmental conditions, media selection, printed image, printer settings and other factors.



Two Standard Ports out of the Box

The new Ct4i series uses a unique plug-in interface design...with a new twist. The CT4i printer comes with either USB and Serial RS232C Interface [CT4i Type 1] or USB and Internal LAN [CT4i Type 2] built in as a standard.

Optional interfaces for CT4i Type 1 include an IEEE1284 Parallel Interface, WLAN IEEE802.11g or Bluetooth interface card.

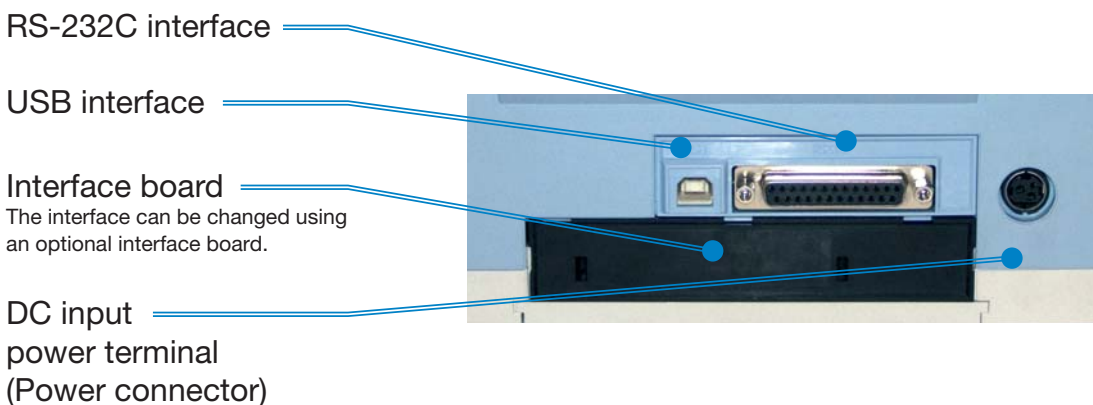
Standard In-Built Interface	Type 1: USB + RS232C Type 2: USB + LAN
Selectable Plug-in Interface Cards options	Type1 only: IEEE1284, WLAN, Bluetooth

The flexible interface combinations allow easy integration into any application.

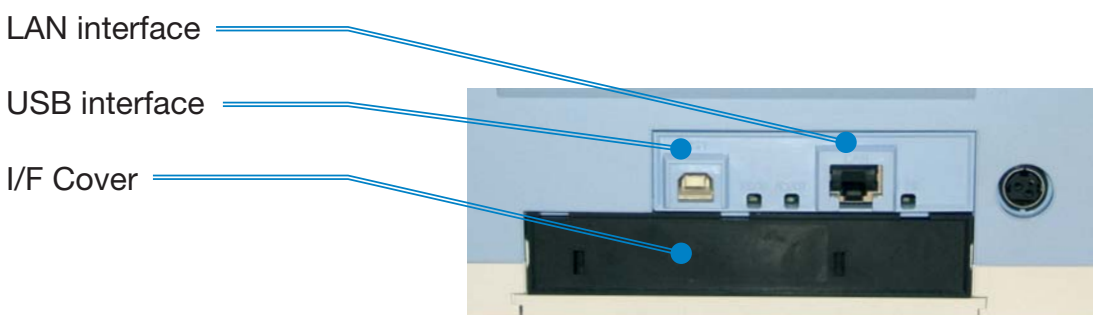
Below configuration chart shows a comparison between CT4 and new CT4i:

	Plug-in Interface Cards					
	IEEE1284	LAN	Wireless LAN (incl. LAN)	Bluetooth	USB	RS232C
CT4-2	✓	✓	✓	✗	✓	✓
CT4i (USB + RS232C)	✓	✗	✓	✓	Standard	Standard
CT4i (USB + LAN)	✗	Standard	✗	✗	Standard	✗

Type 1 USB + RS-232C interface



Type 2 USB + LAN interface





③ UNIQUE SELLING POINTS

■ Unique Wireless Connectivity

Ideal for Wireless applications with Bluetooth and Wireless LAN (IEEE802.11g) internal interface options



The IP address and other settings remain with the interface card so that maintenance personnel can quickly change a printer and be up and running very quickly without involving the IT department in setting up a new IP address or other printer settings.

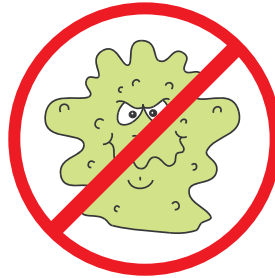


■ Anti-bacterial housing

While bacteria are something we live with and are exposed to on a day-to-day basis – the number and amount of bacteria we come in contact with, according to scientists, is quite shocking. There are industries and applications where cleanliness and hygiene are paramount and a high level of safety is vital.

Predominately, these include:

1. **Healthcare facilities**
2. **Pharmaceutical facilities**
3. **Medical laboratories**
4. **Food industries**
5. **Cosmetic industries**
6. **Clean rooms**



For such industries and applications, SATO has the perfect solution, having developed and manufactured a unique cover for the CT4i printer using a special anti-microbial material which boasts effectiveness against micro organisms. This anti-microbial material acts as an extra guard against infection or cross contamination and has become a very important part of major ancillary products used in a wide range of industries including; healthcare, pharmaceuticals, cosmetics and food.

Anti-bacterial materials and their characteristics

Anti-bacterial refers to the property of a substance which is capable of inhibiting the growth of bacteria and microbes. Anti-bacterial Materials are mineral composites with silver ions. Silver ions are highly effective anti-bacterial agents and will attack the nutrients of bacteria thus interfering with their growth. Furthermore, Silver is safe, non toxic and does not create any health hazards to human beings. Also, the antibacterial effect of such materials is very stable and long-lasting since the silver ions are strongly bonded into the mineral structure and are seldom eluted with water or solvent.

Testing procedure and test results

The anti-bacterial property of the CT4i printer has been tested in accordance to the internationally recognized Japanese Industrial Standard: JIS Z 2801 – Antimicrobial products –

Test for antimicrobial activity and efficacy

Based on the JIS Z 2801 standard, antibacterial activity was measured by quantifying the survival of bacterial cells which have been held in intimate contact for 24 hours at a certain set temperature with the printer surface containing the antibacterial agent. The antibacterial effect is measured by comparing the survival of bacteria on a treated material with that achieved on an untreated material.

Experiment was done to test the ability of the two most common bacterial strains, Staphylococcus aureus and Escherichia coli, to survive and grow on the CT4i printer antibacterial surface.



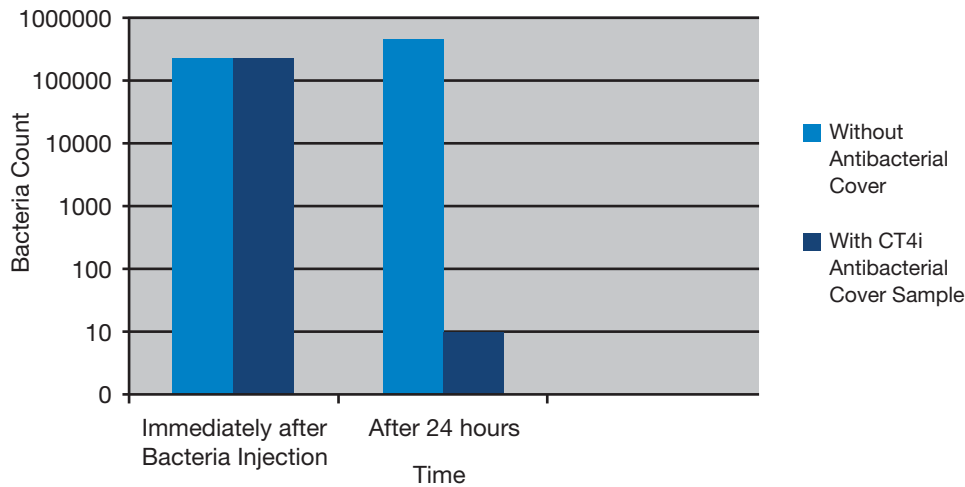
③ UNIQUE SELLING POINTS

Experiment Method (Film Fit)

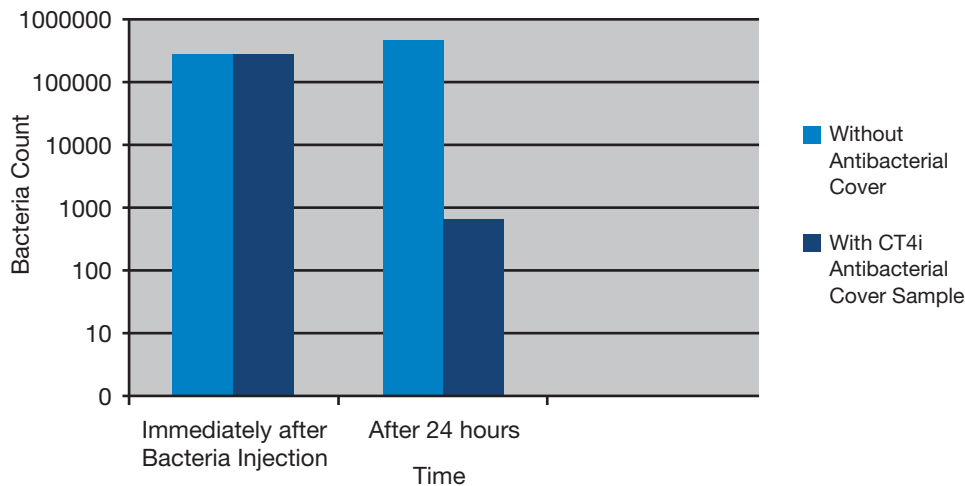
A sample of the CT4i cover containing the anti-bacterial agent is sterilized and the bacteria suspension (0.5 ml) is added. The bacteria are held in intimate contact using a sterile film and left to incubate for 24 hours at a certain constant temperature and saturation humidity. After incubation, the sample is washed with 10 ml of distilled water and the survival count of bacteria inside the solution is measured.

Test Results

Testing with Staphylococcus Aureus



Testing with Escherichia Coli



Conclusion

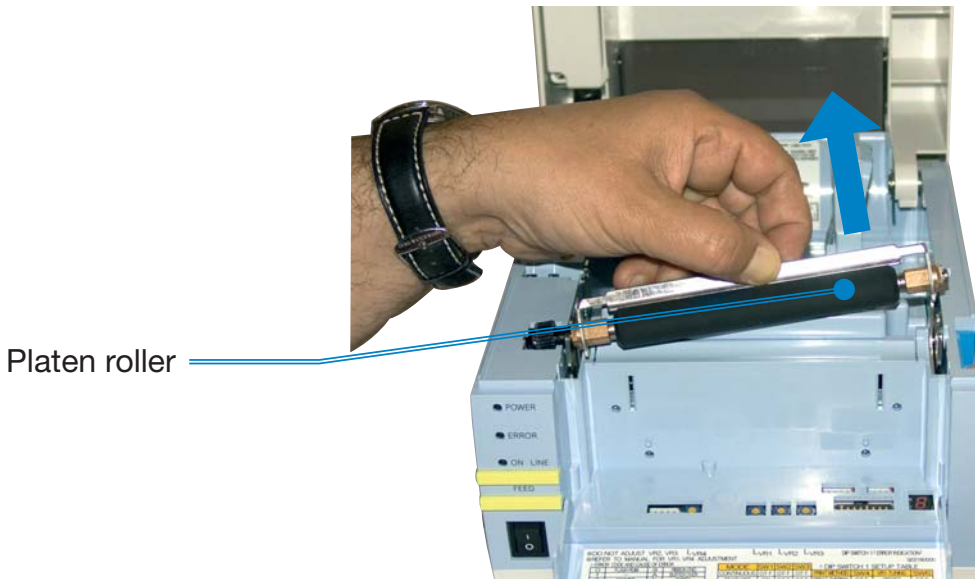
The CT4i Printer cover surface manufactured using the antibacterial agent was found to be very effective in inhibiting the growth and spread of the most common bacteria known for creating most hospital infections. With this unique property, the SATO CT4i printer is the perfect solution for applications and industries where cleanliness and hygiene are not only essential but a priority.



■ **Service friendliness**

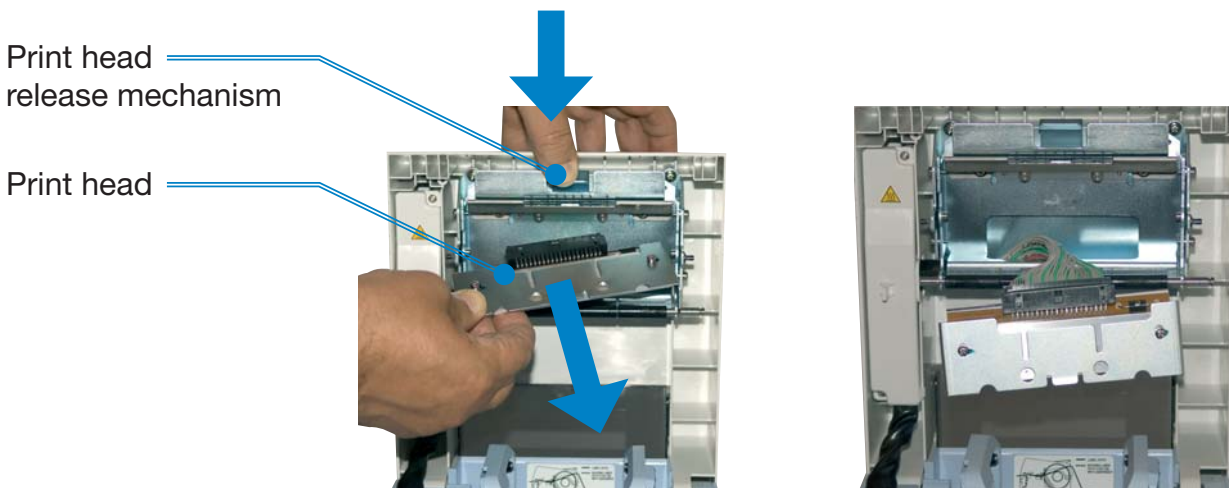
Quick-Change Platen

The CT4i series Printers were designed to continue SATO’s strong history of serviceability. The platen roller is designed to be removed from the front side of the printer and replaced in a matter of minutes. No tools are needed!



Quick-Change Print Head

A unique one-touch, tool-less print head release mechanism allows the CT4i series print head to quickly release from the print head frame assembly. Following the one-touch release, clear access to the power and data cable connectors facilitates quick and easy change of the thermal print head. Replacement print heads include the head locating bracket to ensure easy installation. The print head quickly and simply snaps back into place within the print head frame.



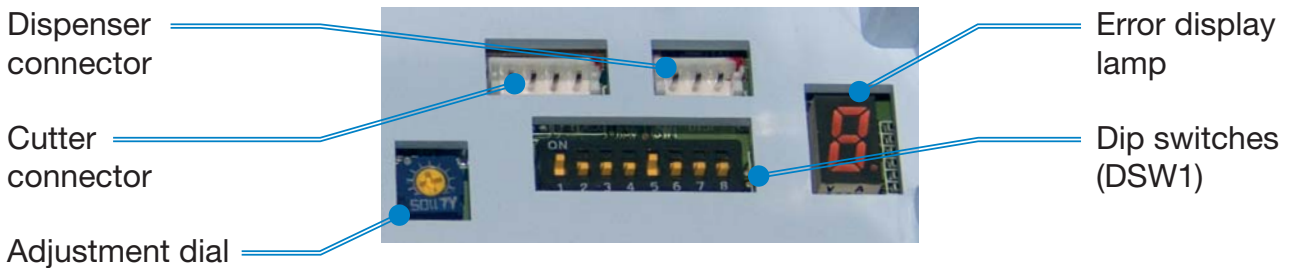
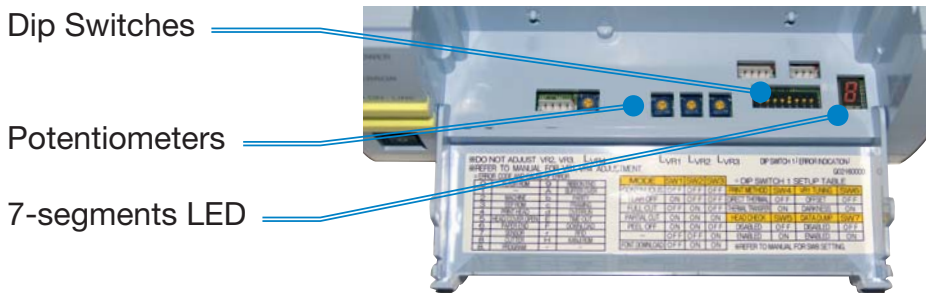
Pictures show CT4xxi DT version.



③ UNIQUE SELLING POINTS

■ Easy Troubleshooting

- Most desktop printers on the market do not come with LCD screen. Settings can only be changed by Printer Commands when connected to a PC.
- The CT4i Series has dip switches and potentiometers for easy adjustment of printer configurations and sensors even when no PC is available.
- Error codes displayed on a seven segment LED facilitates troubleshooting.



■ Easy-Adjust Label Sensor

The CT4i label sensor allows for sensing of a gap between labels or a black bar on the backing of the labels. The sensor can be easily moved in towards the printer frame or out towards the user allowing for flexibility in the position you wish to sense off of.

■ RFID Ready

The CT4i series printer is the first compact printer on the market designed for RFID capability from the outset. All the necessary mounting, cable routes and space considerations have been designed into the CT4i series printers. The RFID (HF 13.56 MHz)

Option Supports a wide range of ISO 15693 RFID Tags such as Texas Instruments Tag-It, Philips I-CODE and Infineon My-d. With the RFID option installed, the CT4i printer fulfills the need for compact RFID printing solutions.



■ Standard SBPL Programming Language

SATO printers utilizing SATO's own printer language (SBPL) are used in a wide variety of applications around the world than any other print engine. The CT4i series printers continue the use of SATO's printer control language including new commands to take advantage of new features found only in the GLe series product; all this while ensuring backwards compatibility with older models.

■ Backwards Compatibility

The CT4i series printer is backwards compatible with previous versions of SBPL, making it plug-n-play compatible with the M8400, M8400RV, M8400Rve, M84Pro (203 and 305 dpi) and CL4xxe. It is compatible with all SATO printers which utilize a print width of 104 mm or less and utilize a 203 or 305 dpi print head, which utilize the SBPL language.



4 NEW CT4i – FREQUENTLY ASKED QUESTIONS

1. *What are the interfaces available on the new CT4i?*

The New CT4i printer comes with 2 types of standard built-in interface combinations (Type 1 and Type 2) as shown below. For Type 1, it is also possible to insert one additional plug-in interface card option (IEEE 1284, WLAN + LAN or Bluetooth).

Standard Built-in Interface Type1: USB 2.0 + RS232C

Type 2: USB 2.0 + LAN

Selectable Plug-in Interface

Cards options (Type1 only)

Parallel (IEEE1284), WLAN (IEEE802.11g) + LAN, Bluetooth V1.1

2. *Are the Plug-in interface cards used on new CT4i compatible with the current CT4?*

The Parallel and WLAN Plug-in Interface cards are the same for the new CT4i and the CT4 printers. The Bluetooth interface card will only work on the new CT4i model.

Please also refer to the CT4i v/s CT4 Interface Configuration Comparison document in the CT4i Microsite for more details.

3. *Is the Bluetooth Interface Option field-installable?*

Yes. The Bluetooth Interface is a Plug-in card similar to the Parallel or WLAN Plug-in Interface card used on the current CT4 printer and it is field-installable. Note that this Bluetooth Interface card only works with the new CT4i (USB + RS232C) model.

4. *Is there any tool to configure the internal LAN interface on the new CT4i?*

The internal built-in LAN interface on the new CT4i (USB + LAN) can be configured using the SATO Network Setting tool or via Web browser.

5. *With the new CT4i, can we use the same LAN configuration tool that we are using on the current CT4?*

The built-in internal LAN on the new CT4i (USB + LAN) printer as well as the WLAN + LAN plug-in interface card [For CT4i (USB + RS232C) model only] can be configured using the SATO Network Setting Tool.

- The all-in-one (Draft) Tool supports the new CT4i printer
- The existing Silex Admin Manager Tool can only be used to configure the WLAN + LAN plug-in interface card. So, you can only use Admin Manager for the CT4i Optional Plug-in WLAN Interface card but not for the on-board LAN interface which is not from Silex.
- SATO created an additional which can also be used to configure the CT4i LAN or WLAN interface. It can be downloaded from the CT4i Microsite at Satoeurope.com.

6. *What is the memory of the new CT4i?*

The new CT4i comes with 4 MB Flash and 16 MB SDRAM.

7. *What are the options available on the new CT4i?*

Cutter, Dispenser, Linerless Kit, RFID (HF 13.56 MHz) Kit

8. *Are the new CT4i and the current CT4 using the same Cutter, Dispenser or Linerless Kit?*

No. The new CT4i and the current CT4 uses different Cutter, Dispenser and Linerless Kit which are not compatible.



4 NEW CT4i – FREQUENTLY ASKED QUESTIONS

9. *What are the new product features available on the New CT4i but not on the current CT4 printer?*

- 600 dpi Print Resolution
- More user-friendly ribbon and media loading mechanism
- More interface flexibility
- Bluetooth Interface option
- More memory
- And many more

10. *The new CT4i comes with 3 types of print resolutions – 203 dpi, 305 dpi and 600 dpi. Can we change the print resolution by simply switching the print head just like GL or GT series?*

No. It is not possible to change the print resolution by simply switching the print head. Some other parts such as the gear will also have to be changed. However, the same firmware is used for all 3 print resolutions.

11. *Can the CT4 RFID Kit be used on the new CT4i printer?*

CT4i and CT4 use different RFID Kits. Only the Takaya RFID Module is the same. The other parts inside the RFID Kit such as brackets and cables are different.

12. *Can the RFID Kit be installed at the GMC sites?*

Yes. The RFID kit can be installed by SATO Technical staff at the GMC site, just like the current CT4.

13. *Is new CT4i printer driver backward compatible?*

Yes, the new CT4i printer driver is backward compatible. Some new features have been added such as 600dpi print resolution for the new CT424i and Plug & Play function for the USB interface.

14. *Are there any Demo applications which can be used when promoting the new CT4i to business partners and customers?*

Yes. Demo applications have been developed to help promoting the CT4i printer to customers in the Healthcare industry. These Demo applications can be downloaded from the CT4i Microsite at www.satoeurope.com and allows the user to print sample wristbands and other Healthcare labels.

15. *Is the CT4i chassis anti-microbial?*

Yes. The CT4i chassis contains an antibacterial agent which is certified according to JISZ2801: Antimicrobial products Standard.

5 PRINTER SPECIFICATIONS

CT408i / CT412i / CT424i				
General Specifications				
PRINTING SPECIFICATION		CT408i	CT412i	CT424i
Printing Method		Direct Thermal; Thermal Transfer		
Print Resolution, dpi (dots/mm)		203dpi (8dots/mm)	305dpi (12dots/mm)	600dpi (23,6dots/mm)
Max. Print Area	Width	104 mm (4.1")		
	Length	400 mm (15.7")		
Print Speed, mm/sec (ips)*		150mm/sec (6ips)	102mm/sec (4ips)	76mm/sec (3ips)
CONSUMABLES SPECIFICATION (Recommended to use printer supplies manufactured or certified by SATO)				
Sensor Type		Transmissive sensor for gap, Reflective sensor for I-mark		
Media Type		Roll paper (Outside wound!) & Fanfold media (max. stack height: 100mm)		
Media Size	Width, mm	25 to 115mm		
	Length, mm	15 to 397mm		
	Thickness, mm	0.08 to 0.19 mm		
Media Roll Size	Max. External Diameter, mm*	Ø 110mm		
	Inner Diameter, mm*	Ø 40mm		
Carbon Ribbon	Wound	Face out		
	Max Length	100m		
	Roll Core Diameter	12.7 mm (0.5")		
FONT / SYMBOLOGIES				
Internal Fonts		XU 5x9 dots, XS 17x17 dots, XM 24x24 dots, XB 48x48 dots, XL 48x48 dots		
Barcodes	1D Barcode	OCR-A 15x22 dots OCR-B 20x24 dots		
	2D Barcode	OCR-A 22x33 dots OCR-B 30x36 dots		
	Character Rotation	OCR-A 44x46 dots OCR-B 60x72 dots		
COMMUNICATION INTERFACES		Processor 32 bit RISC		
Standard memory		Flash memory 4MB, SDRAM 16MB		
Interface	Standard	Type 1: USB2.0 + RS232C; Type 2: USB2.0 + LAN		
	Option (Type 1 only)	IEEE 802.11g, Bluetooth, IEEE1284		
OPERATING CHARACTERISTICS				
Power Requirements		100-240V AC; 50-60 Hz		
Power Consumption		90W (at 100V AC)		
Environment	Operating	5 to 35°C / 30 to 80% RH (with no condensation)		
	Storage	-5 to 60°C / 30 to 90% RH (with no condensation)		
Dimension	DT Model	198x225x160mm		
	TT Model	198x225x181mm		
Weight		3.0kg (excluding AC-Adapter)		
Antibacterial Finishing		Conforms to JISZ2801		
Regulatory		Noise: Emission - FCC, EN55022 Class B Safety : CE, C-UL, TUV, CCC, MIC HF: EN61000-3-2		
Safety Standards		UL, CSA, CCC, CE, FCC Class B, MIC, TÜV, Printer complies to European Directive 2002/95/EC (RoHS)		
ACCESSORIES & OPTIONS				
Cutter, Dispenser, Linerless, RFID, Smart Keyboard, Unwinder, Rewinder		* Measurements are approximate values		

SATO makes no guarantee that the above features are available in all models, and specifications are liable to change, without notice. Version 09/07.

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Specifications Subject to Change without Notice. The acronyms used to identify the programming languages of non-SATO products may be the property of their respective companies and are used here to identify their various programming languages, used only for explanation without intent to infringe. SATO makes no claims to the authenticity of their command language or functionality. For Additional details, please see the Operator Manual.



6 BENEFITS OF UPGRADING FROM SATO CT4 TO THE ALL-NEW CT4i

- Increase productivity by upgrading your older CT4 to the new CT4i.
 - With more connectivity options (incl. Wireless Bluetooth, WLAN) the CT4i easily integrate into existing applications
 - The CT4i features up to 600 dpi resolution which makes it the only high resolution 600 dpi compact desktop printer in the market today
 - The improved ribbon loading mechanism makes ribbon changes even easier
 - More Memory for Higher Performance

Compare the CT4 with the advantages of the CT4i-series:

	CT400	CT410	CT408i		CT412i		CT424i	
			Type 1	Type 2	Type 1	Type 2	Type 1	Type 2
Resolution								
203 dpi (8 dots/mm)	x		x					
305 dpi (12 dots/mm)		x			x			
600 dpi (24 dots/mm)							x	
Print Speed								
76 mm/s (3 ips)							x	
102 mm/s (4 ips)		x			x			
152 mm/s (6 ips)	x		x					
Max Print Area								
Width	104 mm				104 mm			
Length	400 mm				400 mm			
Interfaces								
Serial RS232	Option		x	n.a.	x	n.a.	x	n.a.
Parallel	Option		Option	n.a.	Option	n.a.	Option	n.a.
USB	Option		x	x	x	x	x	x
Internal Ethernet	Option		n.a.	x	n.a.	x	n.a.	x
Internal WLAN	Option		Option	n.a.	Option	n.a.	Option	n.a.
Internal Bluetooth	n.a.		Option	n.a.	Option	n.a.	Option	n.a.
Standard Memory								
RAM	16 MB				16 MB			
Flash	2 MB				4 MB			
Service								
Toolless Printhead Replacement	n.a.				x			
Toolless Platen Replacement	x				x			
Warranty								
	1 year		2 years		2 years		2 years	

7 TARGET MARKET AND APPLICATIONS

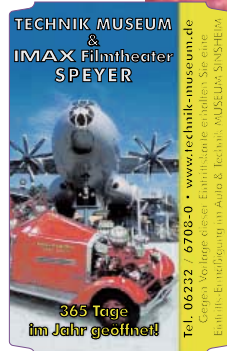
The CT4i uses include but are not limited to:

Industry verticals

- Healthcare
- Retail
- Logistics

Applications

- Asset Labelling
- Compliance Labelling
- Pharmacy Labelling
- Wristband Printing
- Retail Marking
- Shipping/Receiving Labelling
- Gaming/Ticketing
- Hospitality Printing



Common Healthcare / Pharmacy

- PPID Positive Patient ID (Wristband printing)
Positive Patient ID is a platform from which other positive actions can be performed such as
- Blood transfusions
- Specimen collection and tracking
- Admissions
- Radiology film identification and tracking: Patient File Management, surgical procedures, medical equipment inventory tracking, unit dose labelling

Name bands should contain legible and pertinent demographic patient information about the identity of the patient.

A hand written name band may contain spelling mistakes, incorrect information, data variations leading to increased potential for incorrect diagnosis, wrong blood ...

By utilizing bar-coded wristbands, hospitals can ensure that clinicians have the ability to accurately identify patients before collecting specimens, administering medications or transfusing blood – a critical component for enhancing patient safety and reducing the potential for error.

- Eliminate human error and ensuring patient treatment is accurate in terms of dosage, delivery time, and identification
- Ensure accuracy in specimen management with labeling solutions at the point of service
- Provide efficient record, chart, file, and test result tracking
- Make sure patient and staff identification is tamperproof

Conclusion:

SATO's CT4i Series of printers are the "best in breed" for your thermal printing of wristbands and labels. Its small, compact design makes it a clear winning alternative to many other thermal printers. Small, yet robust, the CT4i Series will consistently provide you quality printing whenever you need, wherever you need.

By design the CT4i printers are quiet enough to be placed in the most sensitive of areas.

A product designed for high-quality, high performance, demanding applications in Healthcare and Life Sciences.



8 OPTIONS, ACCESSORIES AND CONSUMABLES

- Cutter
- Dispenser
- RFID HF
- Optional Interfaces (Type 1 only)
- External unwinder

Consumables (Labels, Tags, Wristbands, Carbon ribbon) see consumable section of the respective price list.





PRICE LIST

Product code	Name	LIST PRICE (EURO)
WWCT50032	CT408iDT USB+RS232C EX2	865,00
WWCT53032	CT408iTT USB+RS232C EX2	965,00
WWCT50042	CT408iDT USB+LAN EX2	895,00
WWCT53042	CT408iTT USB+LAN EX2	995,00
WWCT51032	CT412iDT USB+RS232C EX2	1.015,00
WWCT54032	CT412iTT USB+RS232C EX2	1.115,00
WWCT51042	CT412iDT USB+LAN EX2	1.045,00
WWCT54042	CT412iTT USB+LAN EX2	1.145,00
WWCT52032	CT424ixxDT USB+RS232C EX2	1.295,00
WWCT55032	CT424ixxTT USB+RS232C EX2	1.495,00
WWCT52042	CT424ixxDT USB+LAN EX2	1.445,00
WWCT55042	CT424ixxTT USB+LAN EX2	1.595,00
Printer options		
Interface (for CT4i Type 1 only)		
WWCT45060	Parallel IEEE1284	75,00
WWCT55070	Bluetooth Interface	225,00
WWCT45082	Wireless Mini-LAN	575,00
WWCT55200	Dispenser Kit for CT4xxi	135,00
WWR505100	Cutter Kit for CT4xxi TT	185,00
WWT505100	Cutter Kit for CT4xxi DT	185,00
WWCT55T00	HF RFID Kit (with Module) CT4xxi	595,00
Y98133070023	Unwinder (passive) for CT4xx/CT4xxi	165,00






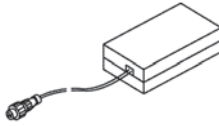

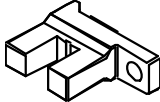


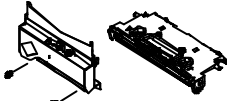
10 SPARE PARTS INFORMATION

The following list represents the recommended, or most commonly used spare parts. These spare parts should be stocked at the reseller level. Spare parts deemed “critical” by the end user and spares considered to be “wear items” (i.e. print head, platen roller, belts) should be stocked by the end user. Complete spare parts lists and exploded view drawings can be found in the reseller area of the SATO Europe website.

Item	Name · Parts Code · Diagram	Appearance	No in 1 Machine	Replacement timing
1	Name Part Code Specification PRINT HEAD (8) R10168000	CT408iTT	1	30Km
2	Name Part Code Specification PRINT HEAD (12) R10169000	CT412iTT	1	30Km
3	Name Part Code Specification PRINT HEAD (24) R10170000	CT424iTT	1	30Km
4	Name Part Code Specification PRINT HEAD (8) R04733100	CT408iDT	1	30Km
5	Name Part Code Specification PRINT HEAD (12) R08329100	CT412iDT	1	30Km
6	Name Part Code Specification PRINT HEAD (24) R12108000	CT424iDT	1	30Km
7	Name Part Code Specification PLATEN ROLLER SUB R04726001		1	30Km
8	Name Part Code Specification MAIN PCB R10656002 (EX1), R10657002 (EX2-6)	USB+RS232C Type	1	50000H
9	Name Part Code Specification MAIN PCB R10653002 (EX1-6)	USB+LAN Type	1	50000H

(NB) The replacement period varies with the operating situation & conditions.



Item	Name · Parts Code · Diagram	Appearance	No in 1 Machine	Replacement Period
10	Name: Set PCB Set Part Code: R10655000 Specification:		1	50000H
11	Name: Pitch Sensor A ASSY Part Code: R04681000 Specification:		1	5000H
12	Name: Pitch Sensor B Assy Part Code: R04683000 Specification:		1	50000H
13	Name: AC Adaptor (CT4XXi) Part Code: K00159000 Specification: (CT4XXi)		1	23000H
14	Name: Control Panel Assy Part Code: R04685000		1	50000H
15	Name: Photo Interrupter Part Code: F00177000		1	50000H
16	Name: Relay PCB Assy Part Code: R04684000 Specification:		1	50000H
17	Name: Ribbon End Sensor ASSY Part Code: R09935000 Specification:		1	50000H
18	Name: Cutter Kit Part Code: WWR505100 Specification:		1	30000 Cuts

(NB) The replacement period varies with the operating situation & conditions.

■ Subject to change without notice

11 WARRANTY

The warranty period for CT4xxi Printers (excluding the print head, platen roller and printer options) is two years from the purchase date, whereas most other compact sized desktop printers have a 1 year warranty only.

Due to the robustness of build and durability of the CT4i printer, SATO is confident that the CT4i is the most stable compact sized printer in today's market.



The CT4i series is covered under SATO's Global Warranty Program. Complete warranty details can be found on the SATO Europe website at:
http://www.satoeurope.com/en/support/global_warranty.html



NOTES

The SATO wristband samples show the difference between 203, 305 and high resolution 600 dpi printouts.



200 dpi



305 dpi



600 dpi



