

Basic Specifications

Model name	TH208
Printing method	Direct thermal
Head density (Resolution)	203dpi (8-dot/mm)
Printing effective area	156mm pitch x 56mm wide (6.1" pitch x 2.2" wide)
Unprintable area	Length direction Upper: 2.0mm (0.07") Lower: 2.0mm (0.07") (Not including backing paper) Width direction Left: 1.5mm (0.05") Right: 1.5mm (0.05") (Not including backing paper)
Printing speed	50 to 100mm/sec (2 to 4 inches/sec) * Printing speed differs depending on paper type and usage environment.
Paper type/Paper shape	Roll paper (Winding face-in/face-out) Recommended use of paper manufactured or specified by SATO.
Paper thickness	140 to 190 μ m (0.14 to 0.19mm/0.005 to 0.007")
Label size	<p>Continuous type [Die cut label] Pitch: 16 to 156mm/0.6 to 6.1" (Backing paper 19 to 159mm/0.7 to 6.2") Width: 25 to 60mm/0.9 to 2.3" (Backing paper 28 to 63mm/1.1 to 2.4") [Butt-cut label] Pitch: 16 to 156mm/0.6 to 6.1" (Backing paper 16 to 156mm/0.6 to 6.1") Width: 28 to 60mm/1.1 to 2.3" (Backing paper 28 to 60mm/1.1 to 2.3")</p> <p>Cutter type [Die cut label] Pitch: 16 to 156mm/0.6 to 6.1" (Backing paper 19 to 159mm/0.7 to 6.2") Width: 25 to 60mm/0.9 to 2.3" (Backing paper 28 to 63mm/1.1 to 2.4")</p> <p>Tear-off type [Die cut label] Pitch: 16 to 156mm/0.6 to 6.1" (Backing paper 19 to 159mm/0.7 to 6.2") Width: 25 to 60mm/0.9 to 2.3" (Backing paper 28 to 63mm/1.1 to 2.4") [Butt-cut label] Pitch: 16 to 156mm/0.6 to 6.1" (Backing paper 16 to 156mm/0.6 to 6.1") Width: 28 to 60mm/1.1 to 2.3" (Backing paper 28 to 60mm/1.1 to 2.3")</p> <p>Dispenser type [Die cut label] Pitch: 16 to 117mm/0.6 to 4.6" (Backing paper 16 to 120mm/0.6 to 4.7") Width: 25 to 60mm/0.9 to 2.3" (Backing paper 28 to 63mm/1.1 to 2.4") [Butt-cut label] Pitch: 16 to 117mm/0.6 to 4.6" (Backing paper 16 to 117mm/0.6 to 4.6") Width: 28 to 60mm/1.1 to 2.3" (Backing paper 28 to 60mm/1.1 to 2.3")</p> <p>Linerless type (without cutter) Pitch: 25.4 to 100mm/1 to 3.9" Width: 28 to 60mm/1.1 to 2.3"</p> <p>Linerless type (with cutter) Pitch: 45 to 100mm/1.7 to 3.9" Width: 28 to 60mm/1.1 to 2.3"</p>
Outer diameter of paper roll / Internal diameter of roll core	Outer diameter: Maximum ϕ 75mm (ϕ 2.9") Internal diameter: ϕ 26mm (ϕ 1.0")

*Some restrictions may apply to the paper sizes that can be used depending on the type of paper, usage environment, and application.

Label issuing mode	<p>Standard: Continuous mode, Dispenser mode, Tear-off mode, Sensor off mode</p> <p>Option: Cutter mode, Linerless mode (with cutter), Linerless mode (without cutter)</p>
Dimensions	132(W) x 194(D) x 147 (H) (mm) (5.1"W x 7.6"D x 5.7"H)
Weight	Approximately 1.7kg (Approximately 3.7lbs)
Power specifications	<p>AC adapter</p> <p>Manufacturer: SATO Corporation Model name: PAH7020 Input power voltage: AC100V to AC240V \pm10% (Full range) Frequency: 50/60 Hz</p> <p>Power consumption</p> <p>Input power voltage conditions: AC 100V At peak: 64.0VA/42.5W (at 30% printing ratio) During standby: 12.6VA/6.2W</p>
Battery pack	<p>Battery type: Lithium ion battery Manufacturer: SATO Corporation Model name: PT/MB400-BAT Rated voltage: 14.8V Rated capacity: 1700mAh (TYP) External dimensions: 43(W) x 20.4(D) x 109(H) (mm) (1.6"W x 0.9"D x 4.2"H) Weight: Approximately 170g (Approximately 0.3lbs) Charge cycle: Approximately 300 times Charging time: Approximately 6 hours (Fully charged with the unit) Approximately 1.5 hours by dedicated charger</p>
Environmental conditions (Temperature/Humidity)	<p>Operating environment: 0 to 40°C (32 to 104°F), 30 to 80%RH (No condensation) Storage environment: -5 to 60°C (23 to 140°F), 30 to 90%RH (No condensation) (Not including labels and other supplies)</p>
Standard interface	<p>(1)USB (Full speed, USB version 2.0 compliant) (2)Scanner connector (Supported PS/2) (3)SD card slot (4)FAT file system</p>
Options	<p>Cutter unit, Linerless kit (w/cutter), Linerless kit (w/o cutter), External label unwinder, External label rewinder (RW350), Battery pack, Battery charger, SD card, Key cover, Wall-mounting kit, 1D barcode scanner, Full keyboard</p>
LED	CHARGE (Red)
Operation button	<p>Ten keypad: 0 to 9 (for alphanumeric characters and symbols input) Function key: [⏻], [↩], [C], [F1], [F2], [■/□], [1/A-], [↵], [⏏] Arrow key: ▲, ◀, ▼, ▶</p>
Paper length detection sensor	<p>I-mark sensor (Reflective type) Gap sensor (Transmissive type)</p>

Basic Specifications

Barcode	(1)UPC-A/E, JAN/EAN-8/13 (2)CODE39 (3)CODE128A/B/C, GS1-128 (UCC/EAN128) (4)Codabar (NW-7) (5)Interleaved 2 of 5 (6)BOOKLAND (2-5 char add-on code) (7)GS1 DataBar (RSS-14)
2D barcode	QR Code (Including Ver.8.1 Micro QR) Datamatrix
Resident embedded bitmap fonts	M 13 x 20, S 8 x 15, U + XU 5 x 9 (alphanumeric and symbols) X1 20 x 50 (alphanumeric and symbols) X2 8 x 20 (alphanumeric and symbols) X3 13 x 21 (alphanumeric and symbols) OCR-B 20 x 24 (alphanumeric in upper case) Price font 16 x 24 (numeric, period, currency marks) POP1 28 x 48 (numeric, comma, currency marks) POP2 48 x 68 (numeric, comma, currency marks) POP3 26 x 56 (numeric, comma, currency marks) Support subscript (numeric only): X1, X2, X3
Resident True Type fonts	Sato Sans, Sato Serif
Printing direction (Characters/Barcode)	Characters: 0°, 90°, 180°, 270° Barcode: Parallel 1 (0°), Parallel 2 (180°), Serial 1 (90°), Serial 2 (270°) True Type text can be rotated 0 to 359° (1° increment).
Barcode ratio	1:2, 1:3, 2:5, Free specification
Magnification ratio (Characters/Barcode/Image)	Characters: Vertical 1 to 4 times, Horizontal 1 to 4 times Barcode: 1:2, 1:3: 2 to 4 times, 2:5: 2 to 4 times
Self-diagnostic function	(1)Broken head element check (2)Paper end detection (3)Test print (4)Cover open detection (5)Calendar check (6)Calendar battery check (7)Battery check (8)Cutter error
Noise (EMC) standard	FCC15B Class B
Safety standards	UL60950-1(2001) CSA22.2 No.60950-1-03
Wireless standards Wireless LAN (2.45 GHz)	FCC15B/FCC15C

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