CL408
Performance Plus Printer

- Rugged Design
- High Speed 32-Bit RISC Processor
- High Throughput - 6" Per Second
- For Labels & Tags Up To 5.15" Wide
- 203 dpi Print Head
- 4" Wide Print Area
- 16 Bar Code Symbologies
- 12 Proportional & Mono-Spaced Text Fonts
- 10 Scalable Vector Fonts
- Intelligent Print Head Control
- User Replaceable Print Head
- M-8400 Command Compatible

An advanced performance, high value printer that's truly a SATO through and through. The CL408 maintains the SATO tradition of designing reliable, rugged printers plus adds high value and production performance. The CL408 had been designed to produce superior images and deliver long life --it incorporates a rigid steel chassis that's enclosed in a durable steel cabinet

The CL408 incorporates a 32-bit high speed RISC processor for maximum performance. It's now possible to produce labels and tags up to 5.15" wide with high throughput even when text and/or graphics changes between labels. Even UCC/EAN-128 Shipping Container labels. Automatic incrementing serial numbers and check digits are produced without pausing between labels.

16 of the most popular bar code symbologies including the new 2-D codes plus 12 proportional and mono-spaced fonts are built into the printer for great looking labels with minimal programming. Plus TrueType® fonts can be downloaded to the CL408 to be used as internal fonts.

SATO tradition is maintained with the CL408: Special circuitry in every CL408 constantly monitors print head usage and automatically adjusts print energy for consistent print quality. The print head has been designed for easy user replacement. This important feature eliminates the costly service call normally associated with this procedure. Plug and Play compatibility with the popular SATO M-8400 adds to the ease of integration into existing applications.

For virtual unlimited flexibility the CL408 incorporates two PCMCIA expansion slots. By installing one or two PCMCIA cards, users can add up to 4Mb of additional memory to store formats, fonts, and graphics such as logo's or extend the print area. Users can develop an unlimited library of PCMCIA cards to meet their needs.

The interface in the CL408 is based on a new SATO Plug-In interface module design. Users can select the interface type needed. Other printers in this price range offer only one choice; with the CL408 you get multiple choices.

CL408 Specifications

Printing Method:
Thermal Transfer/Direct Thermal

Printing Speed:
Up to 6" (150 mm) per second

Print Resolution:
203 dpi (8 dots/mm)

Print Area:
4.1" (104 mm) W x 14" (356 mm) L, 49.2" (1249 mm) L with 2Mb PCMCIA memory card

Bar Code Symbologies:
UPC-A/E, EAN, Code 39, Code 93, Code 128, I 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Codabar, MSI, Bookland, POSTNET, UCC/EAN 128, PDF417, Maxicode, Data Matrix

Bar Code Ratio:
2:1, 3:1, 5:2 or individually adjustable bar widths

Bar Code Height:
Programmable

Human Readable Fonts:
12 proportional and mono-spaced fonts including OCR-A and OCR-B representations and an outline font. American and European characters, uppercase and lower case with descenders (code table 850).

Flexibility:
Rotation of bar codes and text in four 90° steps; character expansion horizontally and vertically in 12 steps; RAM storage for special characters, dot-addressable graphics; sequential numbering. Form overlay for high speed editing of complex formats

Graphic Support:
SATO Hex/binary and PCX formats

Media:
Roll or fan-fold die cut labels, plain paper face stock, SATO standard or equivalent. Tag Stock, SATO standard or equivalent with punched feed slot for "see through" sensing or sense mark for reflective sensing.
Maximum caliper: 0.01" (0.25 mm)
Maximum roll diameter: 8.6" (218 mm)
Roll core diameter: 1.5" (38 mm) or 3" (76 mm)

Sensing:
Adjustable position photo sensor for die cut labels and tags. Reflective sensor for use with preprinted sensing marks. Automatic, programmable setting of top of form.

Media Size:
Minimum: 0.87" (22 mm) W x 0.23" (6 mm) L
Maximum: 5.15" (131 mm) W x 14" (56 mm)L. Up to 49.2" L (1249 mm) with additional PCMCIA

memory.

Ribbon:
Up to 4.4" (111 mm) W x 1475' (450 m) L, wound Face-in

Interfaces:
Centronics Parallel, or RS-232C (2400 - 19,200 BPS, Ready/Busy and X-On/X-Off)

External Connectors:
Parallel: 36-pin Amp
Serial: DB-25F
Ext. (Accessory): 14-pin Amp

Data Transmission:
ASCII

Print Control:
User programmable via data stream.

Switches & Displays:
Switches: LINE, FEED
Display: 2-line LCD
LED indicator: ON LINE (Green), ERROR (Red)
Configuration: 2x8 DIP Switches, 3 Controls

Backfeed:
Adjustable

Dimensions: (overall)
10.7" (271 mm) W x 16.9" (430 mm) D x 12.6" (321 mm) H

Weight:
28.7 Lbs. (13 Kg)

AC Power:
110V (+/-10%), 220V (+/-10%) 50/60 Hz (+/-1%)
Idling: 50W
Operating: 130W

Environment:
Operating: 41° to 104°F (5° to 40°C), 15-85% RH, non-condensing
Storage: 0° to 104°F (-20° to 40°C), 90% RH maximum, non-condensing
ESD Immunity: 8Kv

Approvals:
FCC Class A, U/L, TUV, CE

Options:
Label Cutter

Label dispenser
Rewinder
PCMCIA Memory Expansion
Real Time Clock
Twinax/Coax I/F

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