



LM408e/412e

LM = Logistics & Manufacturing

Mid-range Industrial Printer for Logistics and Manufacturing Industries



The Standard for Reliable
Barcode Printing



- Sturdy chassis
- Easy to load media



- Interface port for various connectivity options
- Hassle-free loading of fanfold media.



- Shipping Labels
- Logistics Labels



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LM408e/412e - GeneralGuide

The LM408e/412e is the ideal solution for your medium-duty labelling needs in the logistics and manufacturing industry.

The LM408e/412e printer has been designed to offer small- and medium-sized companies the most affordable solution to efficiently manage the organization and flow of materials and goods all through the supply chain.

STRONG AND DURABLE

Its sturdy metal chassis gives it the rugged dependability to withstand the rigor of use in a warehouse or a factory floor.

SUPPLY CHAIN MANAGEMENT & LOGISTICS MANAGEMENT

Stationed at strategic points in the warehouse or on the factory floor in a network environment, LM408e/412e is ideally equipped to meet the needs of supply chain and logistics operations on a moderately complex scale.

CONNECTIVITY OPTIONS: KEEPING IT SIMPLE

To keep it simple, the user is able to select from the various communication interfaces available, USB, LAN and Wireless LAN and high-speed IEEE1284 parallel or serial RS-232 interfaces.

BATCH PRINTING

This line of printers fits the requirements of medium-duty industrial applications where the data that need to be printed on labels is often known in advance, making it more efficient to print labels in lots.

NO-FRILLS DESIGN FOR THE BUDGET-CONSCIOUS

Stripped of non-essential accessories such as a Label Cutter or Internal Rewinder, or Stacker and without the option to print RFID labels, LM408e/412e is simply one of the most functional and affordable printers of its type.

FANFOLD MEDIA REAR-FEED MADE EASY

Fanfold media can be easily fed through the back of the printer without any hassle as there is no cover plate placed over the Feed Slot on the rear panel.

Applications

Manufacturing, Work-In-Process and Materials Tracking

Picking Labels, Work-In-Process Labels, Inventory Control Labels, Ad-hoc Production Order Labels

Shipping and Inventory Management

Shipping Labels, Container/Pallet Labels, Carton Labels, Piece Labels, Packaging Labels, Routing Labels, Tracking Labels, Hub Sortation labels, Physical Distribution Labels

Compliance Labelling

Cargo Freight Labels





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LM408e/412e - General Specifications

PRINTER MODEL		LM408e	LM412e
PRINT SPECIFICATIONS			
Print Method		Direct Thermal, Thermal Transfer	
Head resolution (dot/mm)		8	12
Max. Print Area	Width, inch (mm)	4.1" (104mm)	
	Length, inch (mm)	7" (178mm)	
Print Speed, ips		2, 3, 4, 5, 6 *1	
MEDIA SPECIFICATIONS			
Media Type		SATO-recommended roll paper and fanfold	
Media Roll Size	Width (mm)	Label: 22~128mm (Label with backing paper: 25~131mm)	
	Length (mm)	Label: 6~178mm (Label with backing paper: 9~181mm)	
	Thickness (mm)	0.08~0.26mm	
	Maximum external Diameter, inch (mm)	8.6 inches (218.44mm)	
	Inner Diameter, inch (mm)	3 inches (76.2)	
	Wind Orientation	Face-in	
Fan-fold	Max folding height	100mm	
Ribbon	Wind Orientation	Face-in	
	Maximum Width (mm)	111	
	Maximum Length (m)	450	
FONT / SYMBOLOGIES			
Font		XU 5×9,XS 17×17,XM 24×24,XB 48×48,XL 48×48	
		OCR-A 15×22,OCR-B 20×24	OCR-A 22×33,OCR-B 30×36
Font Option		Kanji 16×16 (JIS 1st & 2nd standard) (selectable between square Gothic/Mincho)	
		Kanji 24×24 (JIS 1st & 2nd standard) (selectable between square Gothic/Mincho)	
Barcode / Symbologies	1-D	UPC-A/E, EAN8/13, JAN8/13, CODE39, CODE93, CODE128, UCC/EAN128, Inter-leaved 2of5, Industrial 2of5, Matrix 2of5, NW-7,MSI, BookLand, POSTNET	
	2-D	QR Code (Ver8.1), PDF417 (Ver2.4), Maxi Code (Ver3.0), Data Matrix (Ver2.0)	
COMMUNICATION INTERFACE			
Interface		IEEE1284 Board, High Speed RS232C Board, USB Board, LAN Board, Wireless LAN Board	
OPERATING CHARACTERISTICS			
Power Requirements		AC100-120/200-240V (Jumper)	
Environment	Operating	5~40% / 30~80% (Without condensation)	
	Storage	-5~60% / 30~90% (Without condensation)	
Dimension (W x D x H) , weight		271×430×321mm, 13Kg	
OTHERS			
Function	Useful Features	Status report, Graphic, Sequential numbering, Form overlay, Custom designed character, Font decoration, Reverse image, Line print, Hex dump print, Format store, Outline, Outline variation, Label skip, Zero slash switchover	
	Self Diagnosis Checking	Head check, Paper end, Ribbon end, Ribbon near end *2, Head open, Test print	

*1: Print speeds available depend on the print resolution and paper used.

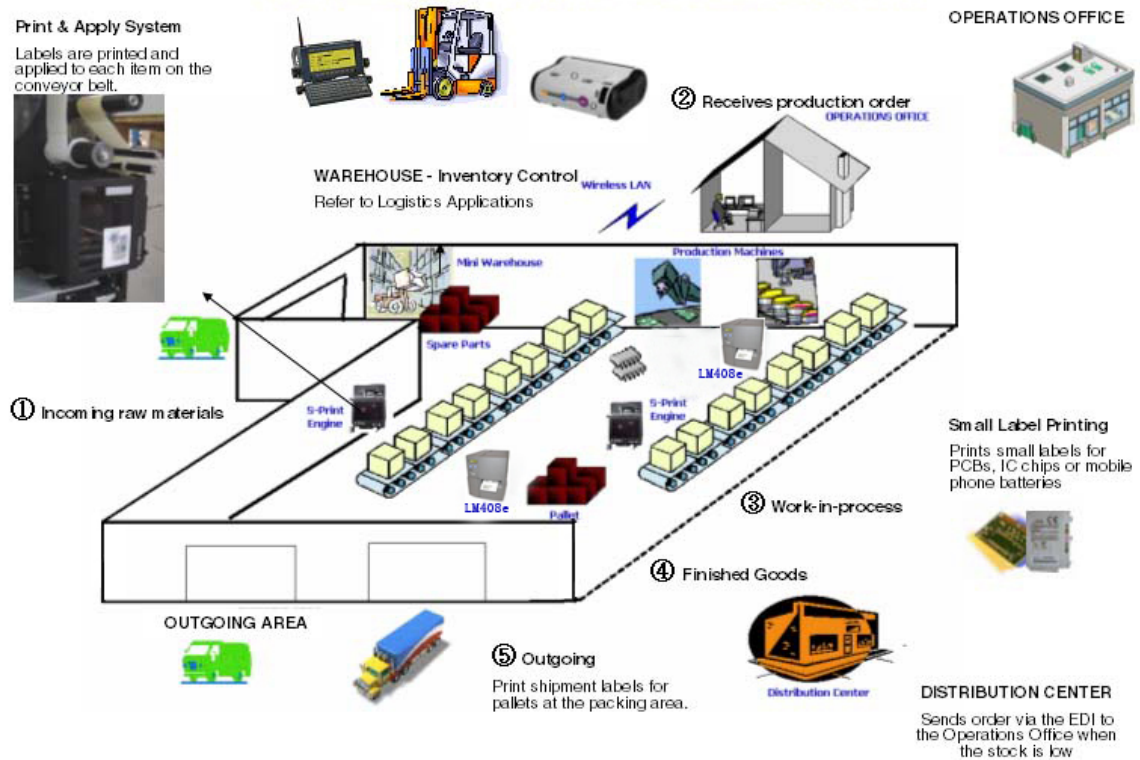
*2: Ribbon near-end can be detected with 30~15m of ribbon remaining.



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LM408e/412e - Sample Applications

MANUFACTURING APPLICATIONS



Incoming Raw Materials

Raw materials delivered to factory and stored in inventory area. Print barcode label to identify materials before moving them to inspection station. Part of materials goes to raw materials inventory and the rest goes to production line.

Receives production order

Distribution center sends an order and instructs the factory floor to start production and packing. Operations office sends label print data to printers on manufacturing floor.

Work-In-Process

Print work-in-process labels to identify and track the parts location and stage of production.

Finished goods

Print serial number and product code on finished goods.

Outgoing

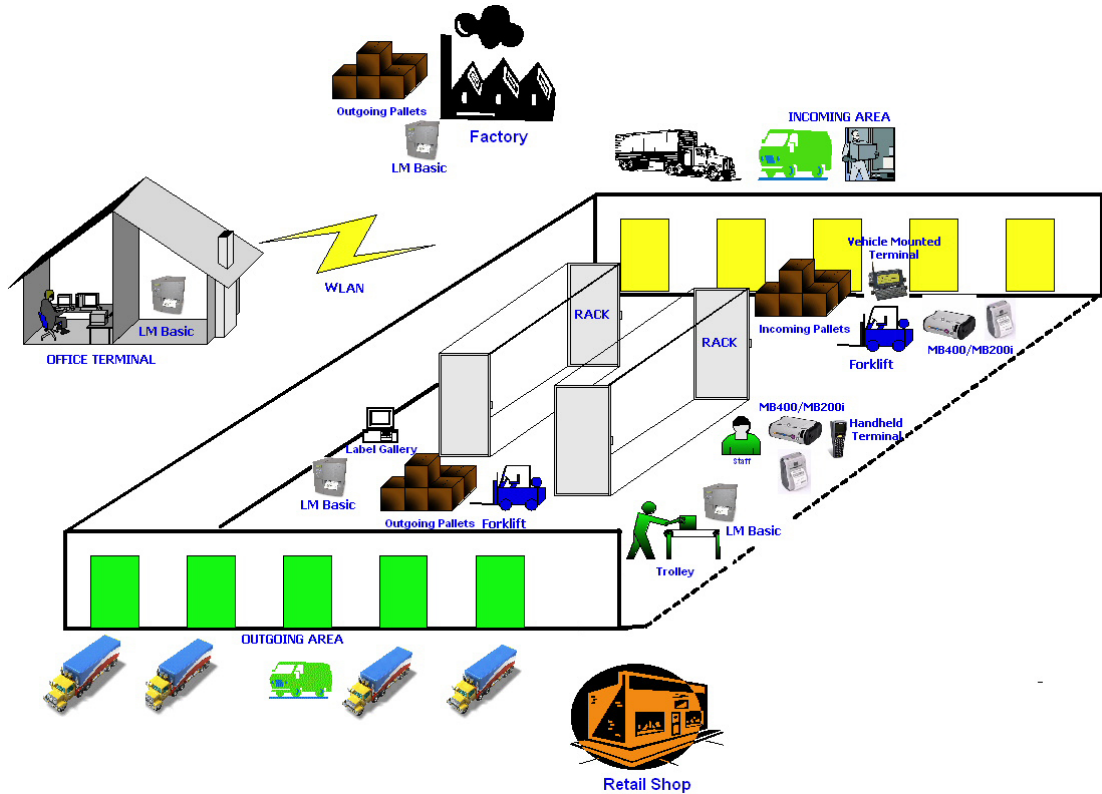
Print shipment labels for pallets at the packing area. Pallets are loaded onto the lorry and delivered to the distribution center based on the shipment label.



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LM408e/412e - Sample Applications

LOGISTICS APPLICATIONS



Incoming area

Scan shipping labels of incoming shipments to verify shipment accuracy.

Routing

Identification labels, which can include routing instructions, are printed. Forklift operators direct shipment to shelf or rack based on instructions.

Stocking

A shelf or rack label is printed and after the label is scanned, the item's placement is confirmed and inventory records updated.

Order

The retail shop places an order with the distribution center via EDI (Electronic Data Interchange). When an order is placed, the office terminal will generate a pick list, and the forklift operator is notified on the mounted terminal and proceeds to pick up the listed items.

Shipping

The items are picked and moved to fulfillment/packing department. A destination slip/invoice/return label is printed and pasted on outgoing shipment. The shipping label is scanned to confirm that the outgoing shipment information ties to the order data.

Industrial Printers Family

PRO

The True Industrial Printer



M84Pro

Heavy-duty, high performance 4-inch direct thermal / thermal transfer printer. Cutter / Dispenser



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GTx4xxe

4-inch high performance, direct thermal / thermal transfer printer. Cutter / Dispenser / RFID Option available



CL4xxe

4-inch direct thermal / thermal transfer printer. Cutter / Dispenser / RFID Option available



CL6xxe

6-inch direct thermal / thermal transfer printer. Cutter / Dispenser



M5900Rve

4-inch direct thermal printer. Cutter / Dispenser