MP-4200 Series

Thermal Printers

MP-4200 TH

- **Fast printing up to of 9.8" per second (250 mm/s)**

- **Large drop-in paper roll with 410' capacity (125 m)**

- **Variable paper width from 2.29 to 3.25" (58.0 to 82.5 mm)**

- **Proven reliability and performance - over 50,000 units sold**

- **OPOS drivers**

- **Windows Spooler drivers**

- **Proprietary features: Quick system error recovery and modular interface electronics**

- **User Software: allows for the user to try the printer capabilities**

Efficient and Flexible

MP-4200 TH is the evolution of Logic Controls thermal printers for retail and hospitality industries. Its improved performance optimizes the checkout process. While its standard USB interface is aligned with the current interface trend in POS systems, the second, optional and customer installed interface allows it either to comply with traditional standards, such as RS232, or with Ethernet and Wi-Fi for special applications. This felxibility allows retailers to keep their printers in pace with the communication technology throughout the product life cycle, by simply changing the interface.

Reliable and Sturdy

MP-4200 TH is built with Logic Controls' Easy Recovery System (ERS) that enhances the reliability and Modular Cartridge System (MCS) that makes it easier for repairing and minimizes any down-time. If a paper jam occurs, ERS restores the printer's capability simply by lifting the printer cover, then lifting and putting back the paper roll. MCS holds all the electronic parts of the printer, allowing for the change of either the mechanism or the cartridge to be completed in store in a few minutes. These features optimize the ease of service and reduce the costs of printer down-time and maintenance. The MP-4200 TH housing is designed with an easy to clean, non-fading material which makes it ideal for demanding environments.

Compatibility

The wide range of MP-4200 TH software tools makes it one of the easiest printers to integrate to commercial applications. To allow a quick and easy installation in any environment, the MP-4200 TH offers a wide range of point-of-sale protocols, such as OPOS, spooler drivers for either Windows or Linux (CUPS). Furthermore the USB interface presents itself to the host system as a virtual COMM port, allowing legacy software to use it with almost zero effort. Local area network users may also take advantage of Ethernet interface by using the embedded LPD printer server.

logic controls
A Bematech Company

MP-4200 THERMAL PRINTER SPECIFICATIONS

MECHANICAL

Weight	2.6 lbs / 1.2 kgs
Dimension (WxDxH)	5.90" x 8.58" x 5.75" 150 mm x 218 mm x 146 mm

PRINTING

Method	Direct thermal line printing
Printing Speed	Up to 9.84"/s (250 mm/s), configurable
Paper Feed Speed	59 lps
Dot Density	0.32 dots/in (203 dpi x 203dpi)
Printing Width	

Paper Width (inch)	Printing Width (inch)
2.28" (58 mm)	1.89" (48 mm or 384 dots)
2.99" (76 mm)	2.83" (72 mm or 576 dots)
3.15" (80 mm)	2.99" (76 mm or 608 dots)
3.25" (82,5 mm)	3.15" (80 mm or 640 dots)

Characters per Line	24, 32, 48, 64 or 21, 28, 42, 56
Character Set	Code pages 437 (USA/ Standard Europe), 850 (Multilingual "Latin-1" – Western European Languages), 858 (Multilingual with Euro symbol), 860 (Portuguese), 862 (Hebrew), 864 (Arabic) and 866 (Cyrillic).

MEDIA

Type	Single-ply thermal paper roll
Width	2.28" to 3.25" (58 to 82,5 mm)
Diameter	Up to 4" (102 mm)
Thickness	56 to 107 microns

DRIVERS

Spooler for Microsoft Windows XP, Vista, and 7 (32 and 64-bit)
Spooler for Linux (CUPS)
OPOS for Windows
Virtual Serial Drivers (32 and 64 bits)

ENVIRONMENT

Operating temperature	32 to 122°F (0 to 50 °C)
Operating Humidity	10 to 90% RH (non condensing)

FEATURES

Paper cutter	Total or partial cut configurable, panel or software application control
Bar Codes	EAN-8, EAN-13, CODE 39, CODE 93, CODE 128 (A, B and C), ITF, CODABAR, UPC-A, UPC-E, ISBN, MSI, Plessey and PDF-417
Selectable font styles	Normal, Double High, Double Wide, Double High & Wide, Emphasized, Bold, Underscore, Italic, Inverted, superscript, underscript
Sensors	End of Paper Sensor, Near End Paper Sensor, Top Cover Sensor, Print Head Sensor
Buttons	Paper feed & Paper cut
Indicators	Power & Information LEDs
Cash Drawer Driver	01 driver (RJ-12 connector)
Easy paper loading	Drop in and easy paper loading
Firmware	Downloadable
Logos and character font table	Downloadable
Buzzer	Under software application control
Bitmap Image Buffer	16KB for volatile memory and 256KB for non-volatile memory

COMMUNICATION INTERFACES

Communication Interfaces	USB 2.0 Serial DB25 Ethernet

POWER

100 -240 VAC 50/60Hz to 24VDC ± 10%, 2.5A (external)

ACCESSORIES

Power Supply, Communication Cable, Paper Roll

CERTIFICATION

ROHS compliant, FCC, UL, CE

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