

# MP 104 SYSTEM

## GENERAL TECHNICAL DATA

### CABINET AND PEDESTAL

Dimensions (HxWxD)	1630/1830 x 470 x 280 mm (64.2"/72.0" x 18.5" x 10.8")
Construction	3 mm (0.12") stainless steel SS-EN2333
Vault design	
– Side steel	3 mm (0.12 ")
– Cash vault door	4 mm (0.16") armoured steel
– Locking plates	6 point locking mechanism Drill protection
Weight	105/110 kg (232/243 pounds)
Compliance	EN12414

### ENVIRONMENTAL CONDITIONS

Operating temp.	
– Solar	–15 °C to 60 °C (0 °F to 140 °F)
Mains with heater	–35 °C to 60 °C (–31 °F to 140 °F)
Relative humidity	Up to 95 %

### ELECTRICAL DATA

Power consumption	230 V / 115 V
– Mains operation	0.2 A / 0.4 A
– One heater	0.5 A / 1 A
– Two heaters	1 A / 2 A
Battery operation	12 V DC *
Solar operation	13 W to 25 W **

### DATA

Data storage	512 KB static RAM
Transactions storage	Up to 16 MB
Transaction backup	5000 latest transactions



### INTERFACES

Interfaces, standard	2 x RS232, 2 x PC card slots
Interfaces, optional	1 x RS232, 1 x RS485 8 relay input circuits 8 relay output circuits

### PAYMENT

Magstripe cards	Swipe and insertion readers
Chip/smart cards	Supported
Coin verifier	15 coin types, 3 tolerance ranges
Coin slot	Mechanical coin slot shutter with inductive loop.
Escrow volume	0.2 l (6.8 ounces)
Coin box volume	4.6 l (155 ounces) with SW-controlled overflow protection

*Continued ...*



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**OPERATION**

Push buttons	Magnetically actuated Reed switches
Keypad	Internal: Mechanical-stroke External: Vandal resistant
Display	2 x 20 characters 2 programmable LEDs – Yellow (warning) – Red (alarm)

**RECEIPT PRINTER**

Printer type	Thermoelectric
Capacity	Up to 9000 per refill
Characters	Proportional font, up to 80 char/line
Paper cutter	Complete cutting
Take ticket sensor	Optional

**COMMUNICATION**

GPRS	Supported
GSM	Supported
PSTN	Supported
Type of data	Transactions, blacklists, tariffs, parameters, statistics, alarms, etc

**NETWORK**

No. of nodes	Up to 10
Applications	MEMO and real-time payment (shared database)

**CENTRAL ADMINISTRATION**

Software	PC workstation and web based back-office applications
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\*) Period of operation depends on ticket purchase volumes.

\*\*\*) Operation time on battery depends on the size and position of the solar panel and the geographical location.

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*Specifications are subject to change without notice.*

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