# Trade Scales Limited

## Thermal Label Printing Solutions

## Zebra "ZM" Series

### Features

The speed-optimized and durable  ZM400 and ZM600 are perfect for:

- Compliance Labelling
- Item Labelling and tagging
- Packaging/Pallet labelling
- Compliance labelling
- Inventory and asset management
- Shipping/Receiving
- Hospitality/Transportation ticketing
- Pharmacy/Healthcare labelling

The ZM400 and ZM600 printers bring added flexibility to the popular Z Series platform, offering an easier to operate form, increased connectivity, RFID readiness as standard and an impressive number of available options. They come standard with features that provide unsurpassed easy to use operation and user selectable adjustments such as an adjustable black mark / label edge sensor.

The ZM400 and ZM600 are better connected to your network through USB 2.0, 802.11b/g secure wireless, or the ZebraNet® 10/100 Print Server that allows simultaneous parallel and Ethernet connectivity. They're better connected to your applications with RFID Ready investment protection, choice of print resolution including 600 dpi, and XML Enabled printing as a standard feature.

A large, easy-to-read LCD display on the front panel means quick printing status visibility and a real time clock for accurate variable data printing. Media handling options such as label cutter, peel and liner rewind can be installed for automated label handling functionality and additional ease of use with straightforward loading of supplies, and easy maintenance with quick-changing printheads and platens.

The ZM400 boasts printhead choices of up to 600 dpi at 104mm wide and the ZM600 up to 300 dpi at 168mm wide. Both can perform ZPL and EPL printing tasks. The ZM series of thermal label printer is a fast, reliable and affordable choice for all your label printing tasks.

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## Specifications (Model Specific)

| Model | ZM400 | ZM600 |
|---|---|---|
| Max. Print Area (standard memory) | Width: 4.09"/104 mm<br>Length with 203 dpi: 105"/2,667 mm<br>Length with 300 dpi: 49"/1,245 mm | Width: 6.6"/168 mm<br>Length with 203 dpi: 65"/1,651 mm<br>Length with 300 dpi: 29"/737 mm |
| Physical Characteristics | Width: 10.93"/278 mm.<br>Depth: 18.69"/475 mm.<br>Height: 13.32"/338 mm.<br>Weight: 32.4 lbs/15 kg | Width: 13.43"/341 mm<br>Depth: 18.69"/475 mm<br>Height: 13.32"/338 mm<br>Weight: 34.7 lbs/16 kg |
| Label and Liner Width | Min: 1"/25.4 mm–<br>Max (Tear/Cutter): 4.5"/114 mm<br>Max (Peel/Rewind): 4.25"/108 mm | Min: 2"/51 mm–<br>Max (Tear/Cutter): 7"/178 mm<br>Max (Peel/Rewind): 6.75"/171 mm |
| Ribbon Width | 2"/ 51 mm–4.33"/110 mm | 2"/51 mm–6.85"/174 mm |
| Resolutions | 203 dpi/8 dots per mm; 300 dpi/12 dots per mm | 203 dpi/8 dots per mm; 300 dpi/12 dots per mm |
| Max Print Speed | 10"/254 mm per second (with 203 dpi) | 10"/254 mm per second (with 203 dpi) |
| Memory | Standard:  1 MB Flash (no user-available)<br>　　　　　4 MB DRAM (2 MB user-available)<br>Optional:　Up to 2 MB (onboard, user-available)<br>Flash:　　up to 8 MB additional Flash via PCMCIA | Standard:  1 MB Flash (no user-available)<br>　　　　　4 MB DRAM (2 MB user-available)<br>Optional:　Up to 2 MB (onboard, user-available)<br>Flash:　　up to 8 MB additional Flash via PCMCIA |

## Specifications (Standard)

| | |
|---|---|
| Print Methods | Thermal transfer or direct thermal |
| Construction | Die-cast aluminium base, frame and printhead mechanism |
| Zebra Programming Language | ZPL® & ZPL II®—universal language for Zebra® printers. Simplifies label formatting and enables seamless compatibility with other Zebra printers.<br>ZBI™—works with ZPL to control and interpret text and data streams from peripherals and non-ZPL printer programming languages. Transmits captured data over LAN, WAN, or wireless network via e-mail or TCP/IP messaging. |
| Environment | Operating Temp. 40° F/5° C to 104° F/40° C<br>Storage/Environ. -40° F/-40° C to 140° F/60° C<br>Operating Humidity 20-85% non-condensing<br>Storage Humidity 5-85% non-condensing |
| Electrical | Universal auto-detectable (PFC-compliant) power supply 90-265 VAC; 48-62 Hz; 5A fused |
| Communication Interface Capabilities | RS-232C/422/485 serial port<br>Bi-directional parallel port |
| Agency Approvals | UL 1950; CISPR 22 (Class B); IEC 950; 801-2, -3 and -4 standards; Canadian Doc. (Class A); FCC (Class B); CE compliance |

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## Specifications (Cont'd)

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|---|---|
| **Label Max. Roll Size** | 8"/203 mm O.D. on a 3"/76 mm I.D. core |
| **Label Thickness (label & liner)** | .0023"/.058 mm to .01"/.25 mm |
| **Media Types** | Continuous or fanfold, die-cut, notched, tag stock, black mark, perforated |
| **Ribbon Max. Roll Size** | 3.2"/81.3 mm O.D. on a 1"/25.4 mm I.D. core |
| **Ribbon Standard Lengths** | 1476'/450 m; provides 3:1 media roll to ribbon ratios |
| **Ribbon Setup** | Ribbon wound ink side out. Ribbon is recommended to be at least as wide as media. |
| **Fonts and Character Sets** | Standard Fonts: 9 bitmapped, 1 smooth scalable (CG Triumvirate™ Bold Condensed)<br>Sets: IBM® Code Page 850 International character set<br>Optional European and Asian font sets |
| **Graphic Features** | Supports user-defined fonts and graphics—including custom logos<br>ZPL II drawing commands—including boxes and lines |
| **Bar Code Symbologies** | Linear Bar Codes: Code 11, Code 39, Code 93, Code 128, ISBT-128, UPC-A, UPC-E, EAN-8, EAN-13, UPC and EAN 2 or 5 digital extensions, Plessey, POSTNET, Standard 2 of 5, Industrial 2 of 5, Interleaved 2 of 5, LOGMARS, MSI, Codabar<br>2-Dimensional Bar Codes: CODABLOCK, PDF-417, Code 49, DataMatrix, Maxi Code, QR Code, Micro PDF-417 |

### Zebra ZM Series Standard Features:

- Thermal Transfer
- ZebraLink™
- Metal media cover with large clear window
- Zebra E3® Printhead Energy Control
- Auto-calibration
- Auto-detectable power supply
- Colour-coded operator cues
- Back-lit LCD control panel

### Zebra ZM Series Options & Accessories:

- Thermal Transfer
- 300 dpi printhead
- Up to 2 MB (onboard, user-available) Flash; up to 8 MB additional Flash via PCMCIA
- Cutter with catch tray
- Value peel—a front mount, passive peel option with no liner take-up
- Liner take-up (works with value peel option)—full roll liner take-up spindle (fits standard base; Z4M only)
- Rewind—internally rewinds full label roll on three-inch core (comes with taller, non-standard printer base)
- PCMCIA connector (supports PC cards up to 8 MB)
- ZebraNet® PrintServer II (external)
- BAR-ONE® software
- European and Asian font sets