

# ML5590eco/ML5591eco Specifications

**OKI**  
PRINTING SOLUTIONS



## Fast, environmentally friendly 24-pin printers that handle high print volumes with ease

### Superb quality, energy efficient, high volume printing

The ML5590eco and 136 column ML5521eco dot matrix printers are perfect for high speed, high volume data listing and multi-part forms applications, where presentation and print quality are essential.

Designed for mission critical applications they have provided many years of service, printing high quality documents in the most demanding of environments. Now enhanced with the latest power management technology power consumption is reduced to just 1.5W in "Sleep mode" to deliver significant energy savings over the products long life.

### Versatile and Flexible

The ML5590/1eco printers can handle cut sheets, continuous feed paper and multi-part forms. They are ideal for the fast printing of receipts, invoices, picking lists, reports and spread sheets in industrial and retail applications. Its powerful 24-pin print head can produce up to 5 high quality documents simultaneously for high efficiency working.

Top, bottom and rear paper input paths and a built-in rear push tractor feed unit provide flexibility.

Optional bottom push and top pull tractor units are available to allow the loading of two different media types simultaneously or the feeding of heavier papers and labels. A Roll Paper Stand option is available for the ML5590eco for fast printing of long passenger lists, call logs, data logs etc.

### Reduce costs and your carbon footprint

The ML5590/1eco printers have been enhanced to be eco-friendly. OKI's SoC (System on Chip) technology reduces power consumption to an impressively low 1.5W in "Sleep mode" helping to reduce your carbon footprint as well as keeping your running costs and energy consumption to a minimum.

### OKI's commitment to customers

The OKI brand is one of proven reliability and value. With almost half a century of experience in the impact printer industry, you are guaranteed a best-in-class performance and great value for money products. And, for total peace of mind, just register your printer and take advantage of our extended three year on-site warranty at no extra cost.

### Highlights:

- Up to 473 characters per second (cps) print speed
- 80 and 136 column versions available
- IBM and Epson emulations
- Comprehensive range of scalable fonts and barcode support
- Eco-friendly technology, sleep mode consumes just 1.5W
- Powerful 24-pin print head delivers sharp, detailed text
- Multi-part paper-handling (original + 4 copies)
- Easy change 4 million character cartridge ribbon
- Low-tear and auto-park help eliminate wastage
- USB and Parallel interfaces with RS232 and Network options
- Manufactured at a CarbonZero facility
- Three-year warranty as standard (product registration required)

### Variants available:

**ML5590eco**  
Narrow carriage  
**ML5591eco**  
Wide carriage



# ML5590eco and ML5591eco - Dot Matrix Printers

| PRINTER                     |  |
|-----------------------------|--|
| Number of pins              | 24   |
| Columns                     | <b>ML5590eco:</b> 80 (10cpi); 160 (maximum in compression mode)<br><b>ML5591eco:</b> 136 (10cpi); 272 (maximum in compression mode)  |
| Character pitch             | 10/12/15/17.1/20 pitch and proportional  |
| Graphics resolution         | Up to 360 x 360dpi   |
| Print speed                 | <b>Fastest print speed:</b> 473cps (15cpi); <b>High Speed Draft:</b> 420cps (10cpi); <b>Utility:</b> 378cps (12cpi), 315cps (10cpi); <b>Letter Quality:</b> 126cps (12cpi), 105cps (10cpi) |
| INTERFACE AND EMULATIONS    |  |
| Interfaces                  | Centronics IEEE 1284 parallel interface, USB 2.0   |
| Optional interfaces         | Ethernet 10/100, Serial RS232C   |
| Emulations                  | Epson LQ ESC/P2, IBM ProPrinter, IBM AGM   |
| Typeface & font             | HSD, Utility, Courier (scalable), Roman (scalable), Swiss (scalable), Swiss Bold, Prestige, Gothic, Orator, OCR-A, OCR-B   |
| Typestyle                   | Emphasised, Enhanced, Double Width, Double Height, Italics, Outline, Shadow, Bold, Superscript, Subscript, Underline   |
| Barcodes                    | UPC-A, UPC-E, EAN8, EAN13, Code39, Interleaved 2of5, Code128 (A/B/C), POSTNET  |
| Printer driver <sup>1</sup> | Windows 2000 / XP (32-bit & 64-bit) / Vista (32-bit & 64-bit) / 7 (32-bit & 64-bit) / Server 2003 (32-bit & 64-bit) / Server 2008 (32-bit & 64-bit) / Server 2003                          |

| PAPER HANDLING                          |   |
|---|---|
| Paper                                   | Cut Sheet (single sheet), Continuous Paper (single-part, multi-part), Roll paper (ML5590eco only), Envelope, Card, Label (cut sheet and fan fold) |
| Continuous paper (width)                | <b>ML5590eco:</b> 76.2 - 254mm; <b>ML5591eco:</b> 76.2 - 406.4mm  |
| Continuous envelopes                    | <b>ML5590eco:</b> 165 x 92mm<br><b>ML5591eco:</b> 241 x 105mm (Bottom feed only)  |
| First printable line (from top of page) | <b>Continuous (multi-parts):</b> 0.5mm<br><b>Cut sheet (single sheet):</b> 0.5mm  |
| No of multi-part forms                  | Up to 5 (one original + 4 copies)   |
| Multi-part paper thickness              | Bottom push feed: 0.44mm; rear push feed & top/rear push-pull feed: 0.36mm; Bottom pull feed: 0.44mm  |
| Paper feeding                           | Manual insertion: Top in, top out; Push Tractor: rear in, top out; Optional Push/Pull tractor: rear or bottom in, top out                         |
| Optional paper feeding                  | Single Bin Cut Sheet Feeder, Bottom Push Tractor (bottom feed), Top Mounted Pull Tractor (bottom/rear feed), Roll Paper Stand (ML5590eco only)    |

<sup>1</sup>Check local OKI Printing Solutions website for latest driver releases and OS compatibility

**Consumables Information:** Only use genuine OKI Printing Solutions Original consumables to ensure the best quality and performance from your hardware. Non OKI Printing Solutions Original products may damage your printer's performance and invalidate your warranty.



## Simply Unique - 3 Year Warranty

Our devices are manufactured to the highest standards of quality and technology, which has been confirmed by independent tests. We are so convinced of the high quality of our products that we are offering you an extension of the standard warranty period to 3 years – for free! Simply register your product within 30 days of purchase to be eligible for our unique all inclusive offer. Fully covered by OKI! For further information please visit: [www.okiprintingsolutions.co.uk/warranty](http://www.okiprintingsolutions.co.uk/warranty). Without registration, the standard pan-European 1 year warranty applies.

| GENERAL FEATURES      |   |
|-----------------------|---|
| Input buffer          | 128Kbytes   |
| Power supply          | Single phase 220 to 240VAC, +/- 10%, frequency 50/60Hz  |
| Power consumption     | <b>ISO/IEC 10561 Letter, Draft, Range1:</b> 45.9W;<br><b>Sleep mode:</b> <1.5W (with no optional attachments) |
| Noise level           | Normal: 56dB(A); Quiet: 52dB(A)   |
| Dimensions (HxWxD)    | <b>ML5590eco:</b> 120 x 398 x 345mm<br><b>ML5591eco:</b> 120 x 552 x 345mm                                    |
| Weight                | <b>ML5590eco:</b> 5.9kg approx; <b>ML5591eco:</b> 7.8kg approx  |
| Print Head life       | 200 million characters  |
| Reliability           | MTBF: 20,000 hours  |
| Warranty              | 3 years extended warranty upon registration within 30 days of purchase  |
| Product order numbers | <b>ML5590eco:</b> 01308802; <b>ML5591eco:</b> 01308902  |

| ACCESSORIES (ORDER NUMBERS)      |  |
|----------------------------------|--|
| Single Bin Cut Sheet Feeder      | <b>ML5590eco:</b> 44497402; <b>ML5591eco:</b> 44497502 |
| Push Tractor (bottom feed)       | <b>ML5590eco:</b> 09002366; <b>ML5591eco:</b> 09002370 |
| Pull Tractor (bottom/rear feeds) | <b>ML5590eco:</b> 09002365; <b>ML5591eco:</b> 09002369 |
| Roll Paper Stand                 | 09002332 ( <b>ML5590eco</b> only)                      |
| Serial RS232C                    | 44455102   |
| Network Card                     | 44455302   |

| CONSUMABLES (ORDER NUMBER)    |          |
|-------------------------------|----------|
| Ribbon (4 million characters) | 01126301 |

**WARNING!** This product complies with EN55022 Class B. However when fitted with the optional network interface card or optional cut sheet feeder, compliance to EN55022 is Class A. In a domestic environment this configuration may cause radio interference, in which case the user may be required to take adequate control measures.



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