MICROLINE® 600 Series

The MICROLINE (ML) 600 Series from OKI Printing Solutions: high-volume versatility in forms and correspondence.

Whether your output is continuous multi-part forms or fine business correspondence—or combinations of both—you'll find your solution in the Dual 9-pin ML620/621 or the 24-pin ML690/691 dot matrix printers.

They handle the printing needs of the most demanding environments—including point-of-sale, automation and utility applications such as wholesale or retail sales counters, financial departments, manufacturing and warehousing.

Yet they also produce letter-quality type and high-resolution graphics for the office and executive suite.

Unequaled performance – ML600 Series printers have features that give them a strong edge over the competition:
• Print speeds of up to 700 cps¹
• An MTBF rating of 25,000 hours
• Ribbon life of up to 13 million characters²

And they offer other features that will improve your working conditions, including:
• A convenient front paper path (tractor feed and friction feed)
• Printing on forms up to 7 parts³
• Versatile connectivity and paper handling

Fast, with finesse – ML600 Series printers run the gamut of paper types and envelopes at lightning speed. Their rugged printheads have a 400 million-character average life expectancy, with powerful samarium magnets and stored-energy pins that deliver precise, sharp characters through to the last page of a 7-part form⁴.

Sturdy and sophisticated – Field-proven reliability is just one reason OKI MICROLINE printers are the most widely-used impact printers in North America⁵. The rugged, reliable OKI ML600 Series printers are sure to win you over, too!

Step up to superior performance – OKI Printing Solutions provides products that increase our customers' performance without affecting their budget. That's because the tradition of the OKI® brand is one of proven reliability and value.

Should you need technical assistance, you can speak to a live expert located in North America—24/7/365—by calling toll-free: 800-OKI-DATA (800-654-3282).⁶

You can expect more from MICROLINE 600 Series printers: faster speeds... better performance... greater reliability.

Highlights:
• Dual 9-pin and 24-pin dot matrix printing
• Best-in-class reliability: 25,000-hour MTBF
• Convenient front paper feed
• Fastest-in-class print speeds: up to 700 cps¹
• 13 million-character ribbon life¹
• USB and Parallel connectivity standard
• Crisp, clear printing – on letterhead or up to 7-part forms³
• 128 KB receive buffer/memory
• 400-million character printhead life
• ENERGY STAR® compliant
• Options include internal Ethernet and Serial connectivity; front/rear tractors; top pull tractor; cut sheet feeder; roll paper stand⁶
• 3-year standard warranty with extensions⁵
• Live, toll-free technical support, 24/7/365⁷

¹ ML620/621 SuperSpeed Draft; ML690/691 up to 480 cps.
² ML621/691; ML620/690 at 8 million-character life.
³ 7 sheets max with optional top pull tractor.
⁴ IDC Quarterly Tracker, 2010.
⁵ Available in the U.S. and Canada only.
⁶ Roll paper stand for ML620/ML690 only.
⁷ ML620/690 Narrow-body ML621/691 Wide-body
MICROLINE® 600 Series

Specifications

Technology, Speed and Print Characteristics

- **Print Method:** Serial Impact Dot Matrix
  - ML620/621 – Dual 9-pin (0.3 mm diameter)
  - ML690/691 – 24-pin (0.2 mm diameter)

- **Print Speed:**
  - ML620/621: 113 (450) utility, 360 HS draft, 600 SS draft
  - ML690/691: 120 (480) utility, N/A HS draft, N/A SS draft

- **Graphics Resolution (max):**
  - ML620/621 – 288 (H) x 72 (V) dpi
  - ML690/691 – 240 (H) x 72 (V) dpi

- **Feed Rate:** ML620/621 – 5.25 ips; ML690/691 – 5.5 ips

Emulations, Interface and Memory

- **Emulation:**
  - ML620/621 – Epson ESC/P, IBM PPDS, OKI MICROLINE
  - ML690/691 – Epson LQ ESC/P2, IBM PPDS, OKI MICROLINE

- **Interface:**
  - Standard – IEEE Bi-directional Parallel, USB 2.0;
    Optional – Ethernet® via OkiLAN® 6130 10/100 Base-T External Print Server, RS-232C Serial

- **Receive Buffer/Memory:** 128 KB

Compatibility


Fonts/Characters

- **Scalable:**
  - ML620/621 – Courier and Gothic 22-216 pt.
  - ML690/691 – Courier, Roman and Swiss 6-64 pt.

- **Bar Codes:**
  - UPC A, UPC E, EAN 8, EAN 13, Code 39, Interleaved 2 of 5, Code 128 (A, B, C), PostNet®, CodaBar (NW-7), Industrial 2 of 5, Matrix 2 of 5

Paper Handling

- **Paper Input:** Single/Multi-part, Continuous forms, Cut sheet, Roll paper, Envelopes, Card stock, Labels

- **Number of Copies:** Original + 6

- **Thickness:** Max 0.44mm (0.017") front/rear path; max 0.48 mm (0.019") bottom pull

- **Paper Feeding:** Front/Top Friction Feed, Front/Back Push Tractor, Front/Bottom Pull Tractor

- **Standard Tractor:** Front/Back Push with Zero Tear, Auto Park and Auto Loading standard

Environmental

- **Size (WxDxH):**
  - ML620/690 – 17.2” x 14.8” x 7.5” (43.8 cm x 37.5 cm x 19.1 cm)
  - ML621/691 – 23.3” x 14.8” x 7.5” (59.2 cm x 37.5 cm x 19.1 cm)

- **Net Weight:**
  - ML620/690 – 16.8 lb. (7.7 kg)
  - ML621/691 – 22.0 lb. (10 kg)

- **Power Consumption:**
  - ML620/621 – Operation 59W max (ISO10561 letter pattern); Idle 15W max; Sleep Mode – with options 3.7W max, without options 1.5W max
  - ML621/691 – Operation 88W max (ISO10561 letter pattern); Idle 15W max; Sleep Mode – with options 3.7W max, without options 1.5W max

- **Electrical:** 120V, 220V

- **Operating Temperature:** 5˚C to 35˚C (41˚F to 95˚F); 20% to 80% relative humidity

- **Noise:**
  - ML620/621 – Silent Mode 52.0 dBA, Normal Mode 57.0 dBA
  - ML690/691 – Silent Mode 49.0 dBA, Normal Mode 53.0 dBA

- **ENERGY STAR® Compliance:** Yes

Reliability and Warranty

- **MTBF:** 25,000 hours

- **Monthly Duty Cycle:**
  - ML620 – 28,000 pages; ML621 – 20,000 pages
  - ML690 – 23,000 pages; ML691 – 14,000 pages

- **Printhead Life:** 400 million characters at 25% duty cycle

- **Ribbon Life:**
  - ML620/690 – 8 million characters
  - ML621/691 – 13 million characters

- **Warranty:** 3-Year limited warranty with extensions

For more information on Impact printers and supplies—including OKIcare® warranty extensions—please call, toll free, 1.800.OKI.DATA (800.654.3282)® or visit our website: www.okiprintingsolutions.com/us

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Ordering Information

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OkiCare Depot Warranties

- 3-Year limited warranty with extensions (U.S. Only)
- 4-Year limited warranty with extensions (U.S. Only)
- 5-Year limited warranty with extensions (U.S. Only)

OkiCare Overnight Exchange Warranties

- 3-Year overnight exchange warranty (U.S. Only)
- 4-Year overnight exchange warranty (U.S. Only)
- 5-Year overnight exchange warranty (U.S. Only)

For more information on Impact printers and supplies—including OkiCare® warranty extensions—please call, toll free, 1.800.OKI.DATA (800.654.3282)® or visit our website: www.okiprintingsolutions.com/us