The ML600 Series from OKI: high-volume versatility in forms and correspondence.

Whether your output is continuous multi-part forms or fine business correspondence—you'll find your solution in the Dual 9-pin ML620/ML621 or the 24-pin ML690/ML691 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 provides products that increase performance without increasing the budget.

You can expect more from ML600 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
- Up to 13 million-character ribbon life²
- 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
- Options include internal Ethernet and Serial connectivity; front/back tractors; top pull tractor; cut sheet feeder; roll paper stand⁶
- 3-year standard warranty with extensions⁵
- Live, toll-free technical support⁵

¹ ML620/ML621 SuperSpeed Draft; ML690/ML691 up to 480 cps.
² ML621/ML691; ML620/ML690 at 8 million-character life.
³ 7 sheets max, depending on paper path and tractor used.
⁴ IDC Quarterly Tracker, 2019.
⁵ Available in the U.S. and Canada only.
⁶ Roll paper stand for ML620/ML690 only.
Specifications

Technology, Speed and Print Characteristics
- **Print Method:** Serial Impact Dot Matrix (ML600/ML690 – 113 (NLQ); 220 (HS Draft); ML620/ML621 – 120 (LQ))
- **Graphics Resolution (max):**
  - Standard Tractor:
    - ML620/ML621 – 113 (NLQ) 450 600 700
    - ML690/ML691 – 120 (LQ) 360 480 N/A
- **Number of Copies:**
  - ML620/ML621 – 5.5 ips
  - ML690/ML691 – 5.5 ips
- **Feed Rate:**
  - Original + up to 6 copies max
- **Paper Feeding:**
  - Front/Back Push Tractor, Front/Top Pull Tractor
  - Standard Tractor: Front/Back Push with Zero Tear, Auto Park and Auto Loading standard
- **Bar Codes:**
  - ML620/ML621 – Courier and Gothic 22-216 pt.
  - ML690/ML691 – Courier, Roman and Swiss 8-64 pt.
- **Operating Systems:**
  - Server 2012/R2, Server 2008/R2, Server 2003, Vista, XP
- **Emulations:**
  - ML620/ML621 – Epson® FX(ESC/P), IBM® PPDS, OKI MICROLINE
  - ML690/ML691 – Epson LQ (ESC/P2), IBM PPDS, OKI MICROLINE
- **Interface:**
  - Standard – IEEE Bi-directional Parallel, USB 2.0; Optional – Ethernet® via OkiLAN® 7130E 10/100 Base-T Internal Print Server, RS-232C Serial
  - ML620/ML621 – 288 (H) x 72 (V) dpi OKI® MICROLINE®; 240 (H) x 72 (V) dpi Epson®/IBM®
  - ML690/ML691 – 360 (H) x 360 (V) dpi Epson/IBM
- **Power Consumption:**
  - ML620/ML621 – Operation approx. 52W (ISO/IEC 10561 Letter, Draft, Range 1); Idle 15W max; Sleep Mode – with options 3.7W max, without options 1.5W max
  - ML690/ML691 – Operation approx. 52W (ISO/IEC 10561 Letter, Roman, Range 1); Idle 15W max; Sleep Mode – with options 3.7W max, without options 1.5W max w
- **Electrical:**
  - ML620/ML621 – 120V
  - ML690/ML691 – Operation approx. 52W (ISO/IEC 10561 Letter, Roman, Range 1); Idle 15W max; Sleep Mode – with options 3.7W max, without options 1.5W max w
- **Noise:**
  - ML620/ML621 – Silent Mode 52.0 dBA, Quiet Mode 55.0 dBA, Normal Mode 57.0 dBA
  - ML690/ML691 – Silent Mode 52.0 dBA, Quiet Mode 52.0 dBA, Normal Mode 57.0 dBA
- **Printhead Life:**
  - ML620/ML621 – 28,000 pages; ML690/ML691 – 14,000 pages
  - ML620/ML621 – 23,000 pages; ML690/ML691 – 14,000 pages
- **Ribbon Life:**
  - ML620/ML621 – 8 million characters
  - ML690/ML691 – 13 million characters
- **Warranty:**
  - 3-Year limited warranty with extensions

Environmental
- **Size (WxDxH):**
  - ML620/ML621 – 17.2” x 14.8” x 7.5” (43.8 cm x 37.5 cm x 19.1 cm)
  - ML621/ML691 – 23.3” x 14.8” x 7.5” (59.2 cm x 37.5 cm x 19.1 cm)
- **Net Weight:**
  - ML620/ML690/ML691 – 16.8 lb. (7.7 kg)
  - ML621/ML691 – 22.0 lb. (10 kg)
- **Power Consumption:**
  - ML620/ML690/ML691 – 24-pin (0.2 mm diameter)
- **Electrical:**
  - ML690/ML691 – 3.7W max, without options 1.5W max w
- **Noise:**
  - ML620/ML621 – Quiet Mode 55.0 dBA, Normal Mode 57.0 dBA
  - ML690/ML691 – Silent Mode 49.0 dBA, Normal Mode 57.0 dBA
- **Operating Temperature:**
  - ML620/ML621 – 5˚C to 35˚C (41°F to 95°F); 20% to 80% relative humidity
- **Print Method:**
  - ML620/ML621 – Serial Impact Dot Matrix
  - ML690/ML691 – Epson LQ (ESC/P2), IBM PPDS, OKI MICROLINE
- **Receive Buffer/Memory:**
  - 128 KB

Compatibility
- **Operating Systems:**

Fonts/Characters
- **Scalable:**
  - ML620/ML621 – Courier and Gothic 22-216 pt.
  - ML690/ML691 – Courier, Roman and Swiss 8-64 pt.
- **Bar Codes:**
  - 11

Paper Handling
- **Paper Input:** Single/Multi-part, Continuous forms, Cut sheet, Roll paper’, Envelopes, Card stock, Labels
- **Number of Copies:** Original + up to 6 copies max
- **Thickness (Max):** Front/Back push 0.014” (0.36mm); Front/Back pull, Front/Back push-pull 0.017” (0.44 mm); Top pull 0.019” (0.48 mm)
- **Paper Feeding:** Front/Top Friction Feed, Front/Back Push Tractor, Front/Top Pull Tractor
- **Standard Tractor:** Front/Back Push with Zero Tear, Auto Park and Auto Loading standard

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
- **Ribbon Cartridge:**
  - ML620/ML621 – 13 MM Char. 44173404
  - ML690/ML691 – 8 MM Char. 44173403
- **Ribbon Life:**
  - ML620/ML690 – 8 million characters
  - ML691 – 13 million characters
- **Warranty:**
  - 3-Year limited warranty with extensions

Ordering Information

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<thead>
<tr>
<th>Description</th>
<th>Part Number</th>
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<tbody>
<tr>
<td>Printers</td>
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<td>ML620 (Dual 9-Pin) – 120V</td>
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<td>ML621 (Dual 9-Pin) – 120V</td>
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<td>ML691 (24-Pin) – 120V</td>
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<td><strong>Accessories</strong></td>
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<td>OkiLAN 7130E 10/100 Base-T Ethernet</td>
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<td>RS232 Serial Card</td>
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<td>Cut-Sheet Feeder (ML620/ML690)</td>
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<td>Cut-Sheet Feeder (ML621/ML691)</td>
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<td>Front/Back Push Tractor (ML620/ML690)</td>
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<td>Top Pull Tractor (ML621/ML691)</td>
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<tr>
<td>Roll Paper Stand (ML620/ML690 only)</td>
<td>70023301</td>
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</table>

Note: All Warranty Enhancement Program options extend the total warranty coverage period from the date of purchase to the number of years listed for each order number above.

Supplies
- Ribbon Cartridge (ML620/ML690) – 8 MM Char. 44473403
- Ribbon Cartridge (ML621/ML691) – 13 MM Char. 44473404

OKIcare® Depot Warranty Enhancement Program
- 4-Year Extension 38022215 38022615
- 5-Year Extension 38022214 38022614

MS16021-1019

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