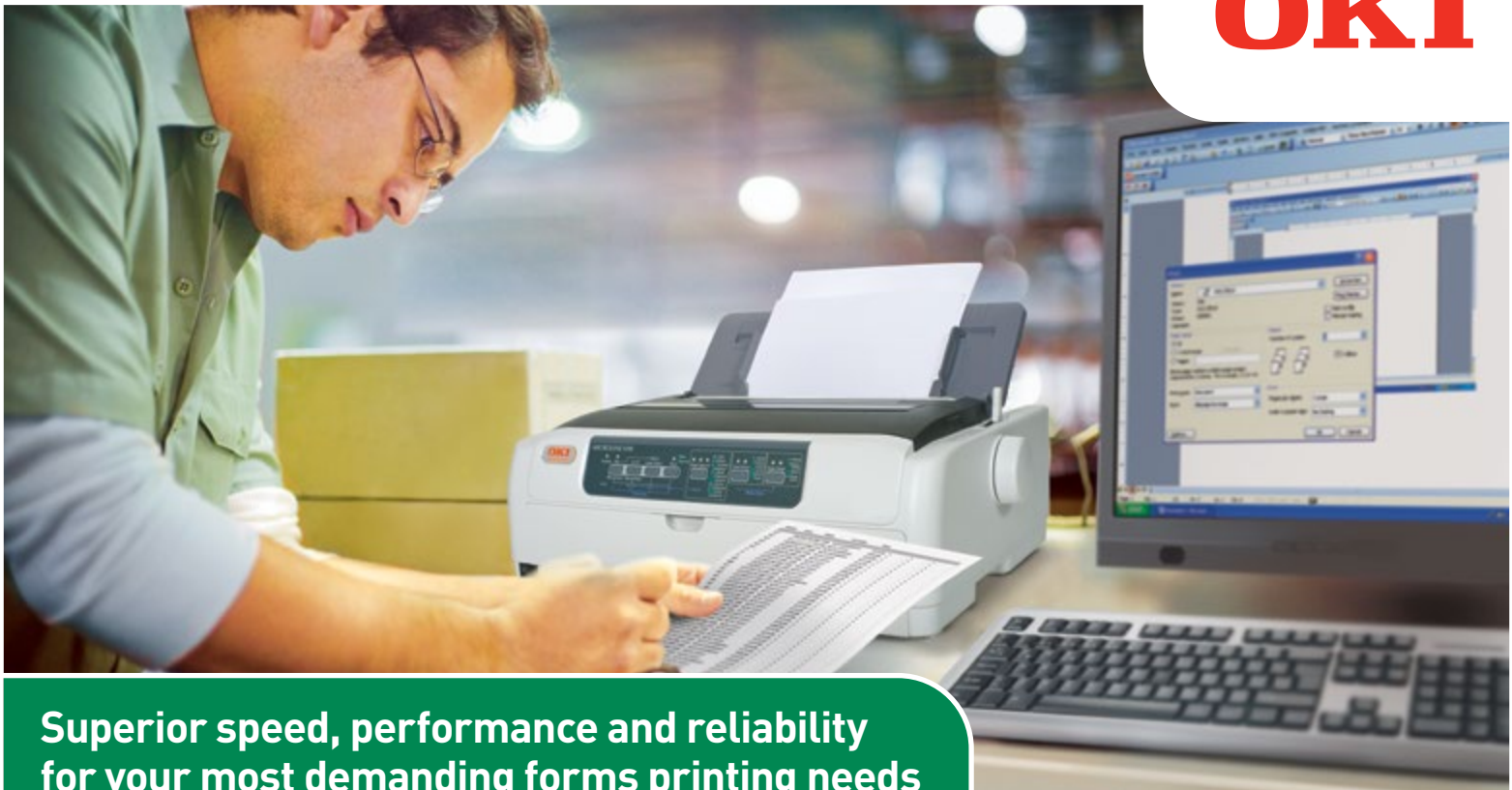


# ML600 Series

# OKI®



## Superior speed, performance and reliability for your most demanding forms printing needs

### 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 cps<sup>1</sup>
- An MTBF rating of 25,000 hours
- Ribbon life of up to 13 million characters<sup>2</sup>

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 parts<sup>3</sup>
- 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 form<sup>3</sup>.

**Sturdy and sophisticated** – Field-proven reliability is just one reason OKI MICROLINE® printers are the most widely-used impact printers in North America<sup>4</sup>. 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 cps<sup>1</sup>
- Up to 13 million-character ribbon life<sup>2</sup>
- USB and Parallel connectivity standard
- Crisp, clear printing – on letterhead or up to 7-part forms<sup>3</sup>
- 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 stand<sup>6</sup>
- 3-year standard warranty with extensions<sup>5</sup>
- Live, toll-free technical support<sup>5</sup>

<sup>1</sup> ML620/ML621 SuperSpeed Draft; ML690/ML691 up to 480 cps.

<sup>2</sup> ML621/ML691; ML620/ML690 at 8 million-character life.

<sup>3</sup> 7 sheets max, depending on paper path and tractor used.

<sup>4</sup> IDC Quarterly Tracker, 2019.

<sup>5</sup> Available in the U.S. and Canada only.

<sup>6</sup> Roll paper stand for ML620/ML690 only.



ML620/ML690 Narrow-body



ML621/ML691 Wide-body

# ML600 Series

## Specifications

### Technology, Speed and Print Characteristics

- Print Method:** Serial Impact Dot Matrix ML620/ML621 – Dual 9-pin (0.3 mm diameter)  
ML690/ML691 – 24-pin (0.2 mm diameter)
- Print Speed<sup>1</sup> (cps):**

NLQ & LQ	Draft	HS Draft	SS Draft
ML620/ML621 113 (NLQ)	450	600	700
ML690/ML691 120 (LQ)	360	480	N/A
- Graphics Resolution (max):**  
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
- Feed Rate:** ML620/ML621 – 5.25 ips;  
ML690/691 – 5.5 ips

### Emulations, Interface and Memory

- Emulation:**  
ML620/ML621 – Epson® FX(ESC/P), IBM® PPDS, OKI MICROLINE  
ML690/ML691 – Epson LQ (ESC/P2), IBM PPDS, IBM AGM
- Interface:**  
Standard – IEEE Bi-directional Parallel, USB 2.0;  
Optional – Ethernet® via OkiLAN® 7130E 10/100 Base-T Internal Print Server, RS-232C Serial  
Receive Buffer/Memory: 128 KB

### Compatibility

- Operating Systems:** Windows®10, Windows 8.1, Windows 8, Windows 7, Server 2019, Server 2016, Server 2012/R2, Server 2008/R2, Server 2003, Vista, XP  
Note: Check website for most current OS compatibility.

### 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<sup>2</sup>, Envelopes, Card stock, Labels
- Number of Copies:**  
Original + up to 6 copies max<sup>3</sup>
- 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
- Options:** Top Pull Tractor, Cut Sheet Feeder, Roll Paper Stand<sup>4</sup>

### Environmental

- Size (WxDxH):**  
ML620/ML690 - 16.3" x 12.6" x 6.3"  
(41.4 cm x 32.0 cm x 15.9 cm)  
ML612/ML691 - 22.4" x 12.6" x 6.3"  
(56.8 cm x 32.0 cm x 15.9 cm)  
Note: Sizes do not include platen knob, paper separator and guide pull up.
- Net Weight:**  
ML620/ML690 – 16.8 lb. (7.7 kg)  
ML621/ML691 – 22.0 lb. (10 kg)
- 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
- Electrical:** 120V
- Operating Temperature:** 5°C to 35°C  
(41°F to 95°F); 20% to 80% relative humidity
- Noise:**  
ML620/ML621 – Silent Mode 52.0 dBA,  
Quiet Mode 55.0 dBA, Normal Mode 57.0 dBA  
ML690/ML691 – Silent Mode 49.0 dBA,  
Quiet Mode 52.0 dBA, Normal Mode 57.0 dBA

### 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 (10 cpi Draft mode)
- Ribbon Life:**  
ML620/690 – 8 million characters  
ML621/691 – 13 million characters
- Warranty:** 3-Year limited warranty with extensions<sup>4</sup>

<sup>1</sup> Super-Speed Draft rated at 12 cpi only; all other print speeds apply to 10 cpi.

<sup>2</sup> ML620/690 only.

<sup>3</sup> Depending on paper path and additional tractor used.

<sup>4</sup> Available in the U.S. and Canada only.

All specifications subject to change without notice.

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### Ordering Information

Description	Part Number
<b>Printers</b>	
ML620 (Dual 9-Pin) – 120V	62433801
ML621 (Dual 9-Pin) – 120V	62433901
ML690 (24-Pin) – 120V	62434001
ML691 (24-Pin) – 120V	62434101
<b>Accessories</b>	
OkiLAN 7130E 10/100 Base-T Ethernet Internal Print Server	45268701
RS232 Serial Card	44455101
Cut-Sheet Feeder (ML620/ML690)	44497401
Cut-Sheet Feeder (ML621/ML691)	44497501
Front/Back Push Tractor (ML620/ML690)	44454901
Front/Back Push Tractor (ML621/ML691)	44455001
Top Pull Tractor (ML620/ML690)	44753901
Top Pull Tractor (ML621/ML691)	44754001
Roll Paper Stand (ML620/ML690 only)	70023301
<b>Supplies</b>	
Ribbon Cartridge (ML620/ML690)	44173403
Ribbon Cartridge (ML621/ML691)	44173404
<b>OKicare® Depot Warranty Enhancement Program</b>	
	<b>ML620/621</b> <b>ML690/691</b>
4-Year Extension	38022214      38022614
5-Year Extension	38022215      38022615

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.



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# OKI®