



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

**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 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 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).<sup>5</sup>

**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 cps<sup>1</sup>
- 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
- ENERGY STAR® compliant
- Options include internal Ethernet and Serial connectivity; front/rear 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, 24/7/365<sup>5</sup>

<sup>1</sup> ML620/621 SuperSpeed Draft; ML690/691 up to 480 cps.

<sup>2</sup> ML621/691; ML620/690 at 8 million-character life.

<sup>3</sup> 7 sheets max with optional top pull tractor.

<sup>4</sup> IDC Quarterly Tracker, 2010.

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

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



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<sup>1</sup>:**

NLQ	Utility	HS Draft	SS Draft
ML620/621			
113	450	600	700
ML690/691			
120	360	480	N/A

- **Graphics Resolution (max):**

ML620/621 – 288 (H) x 72 (V) dpi OKI®  
MICROLINE®; 240 (H) x 72 (V) dpi Epson®/IBM®  
ML690/691 – 360 (H) x 360 (V) dpi Epson/IBM

- **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,  
IBM AGM

- **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

- **Operating Systems:** x86/x64 – Windows® 7,  
Vista®, XP, Server 2008, Server 2003; x86 –  
Win2000; x64 – Server 2008R2

### Fonts/Characters

- **Scalable:**

ML620/621 – Courier and Gothic 22-216 pt.

ML690/691 – Courier, Roman and Swiss 8-64 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<sup>2</sup>, Envelopes, Card stock,  
Labels

- **Number of Copies:** Original + 6<sup>3</sup>

- **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

ML690/691 – 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,  
Quiet Mode 55.0 dBA, Normal Mode 57.0 dBA

ML690/691 – Silent Mode 49.0 dBA,  
Quiet Mode 52.0 dBA, Normal Mode 57.0 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<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> Requires optional top pull tractor.

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

All specifications subject to change without notice.

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Oki Electric Industry Co., Ltd. Epson Reg. T.M., Seiko Epson Corp.  
IBM Reg. T.M., International Business Machines, Inc. Windows,  
Vista, Reg. T.M., Microsoft Corp. ENERGY STAR Reg. T.M., US EPA.

## Ordering Information

Description	Part Numbers	
<b>Printers</b>		
MICROLINE 620 (Dual 9-Pin) – 120V	62433801	
MICROLINE 620 (Dual 9-Pin) – 220V	62433802	
MICROLINE 621 (Dual 9-Pin) – 120V	62433901	
MICROLINE 621 (Dual 9-Pin) – 220V	62433902	
MICROLINE 690 (24-Pin) – 120V	62434001	
MICROLINE 690 (24-Pin) – 220V	62434002	
MICROLINE 691 (24-Pin) – 120V	62434101	
MICROLINE 691 (24-Pin) – 220V	62434102	
<b>Accessories</b>		
OkiLAN 6130 10/100 Base-T Ethernet Internal Print Server	72008701	
RS232 Serial Card	44455101	
Cut-Sheet Feeder (ML620/690)	44497401	
Cut-Sheet Feeder (ML621/691)	44497501	
Front/Back Push Tractor (ML620/690)	44454901	
Front/Back Push Tractor (ML621/691)	44455001	
Top Pull Tractor (ML620/690)	44753901	
Top Pull Tractor (ML621/691)	44754001	
Roll Paper Stand (ML620/690 only)	70023301	
<b>Supplies</b>		
Ribbon Cartridge (ML620/690)	8 MM Char.	44173403
Ribbon Cartridge (ML621/691)	13 MM Char.	44173404
<b>OKIcare Depot Warranties<sup>4</sup></b>		
	<b>U.S.</b>	<b>Canada</b>
MICROLINE 620/621 4-Yr Depot	38022204	38022214
MICROLINE 620/621 5-Yr Depot	38022205	38022215
MICROLINE 690/691 4-Yr Depot	38022604	38022614
MICROLINE 690/691 5-Yr Depot	38022605	38022615
<b>OKIcare Overnight Exchange Warranties<sup>4</sup></b>		
	<b>U.S.</b>	<b>Canada</b>
MICROLINE 620/621 Upgrade to Overnight Exchange Warranty	38022303	38022313
MICROLINE 620/621 4-Year Overnight Exchange Warranty	38022304	38022314
MICROLINE 620/621 5-Year Overnight Exchange Warranty	38022305	38022315
MICROLINE 690/691 Upgrade to Overnight Exchange Warranty	38022703	38022713
MICROLINE 690/691 4-Year Overnight Exchange Warranty	38022704	38022714
MICROLINE 690/691 5-Year Overnight Exchange Warranty	38022705	38022715

For more information on Impact printers and  
supplies—including OKIcare® warranty extensions<sup>4</sup>—please  
call, toll free, **1.800.OKI.DATA** (800.654.3282)<sup>4</sup> or visit our  
website: [www.okiprintingsolutions.com/us](http://www.okiprintingsolutions.com/us)



## OKI DATA AMERICAS, INC.

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MISSISSAUGA, ONTARIO L5L 6A1  
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FAX: 905.608.5040

**LATIN AMERICA**  
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