



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 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 form³.

Sturdy and sophisticated – Field-proven reliability is just one reason OKI MICROLINE printers are the most widely-used impact printers in North America⁴. 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).⁵

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 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
- 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, 24/7/365⁵

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.



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 Speed¹:**

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 paper², Envelopes, Card stock,
Labels

- **Number of Copies:** Original + 6³

- **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 extensions⁴

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

² ML620/690 only.

³ Requires optional top pull tractor.

⁴ 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	
Printers		
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	
Accessories		
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	
Supplies		
Ribbon Cartridge (ML620/690) 8 MM Char.	44173403	
Ribbon Cartridge (ML621/691) 13 MM Char.	44173404	
OKIcare Depot Warranties⁴		
	U.S.	Canada
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

For more information on Impact printers and
supplies—including OKIcare® warranty extensions⁴—please
call, toll free, **1.800.OKI.DATA** (800.654.3282)⁴ or visit our
website: www.okiprintingsolutions.com/us



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FAX: 856.222.5320

CANADA
4140B SLADEVIEW CRESCENT
UNITS 7 & 8
MISSISSAUGA, ONTARIO L5L 6A1
TEL: 905.608.5000
FAX: 905.608.5040

LATIN AMERICA
2000 BISHOPS GATE BLVD.
MOUNT LAUREL, NJ 08054-4620
TEL: 856.231.0002
FAX: 856.222.5071

OKI DATA DE MÉXICO, S.A. DE C.V.
MARIANO ESCOBEDO, 748 8º PISO
COL. NUEVA ANZURES C.P. 11590
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FAX: 55.5250.3501

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