

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—or combinations of both—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 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 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 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 support, 24/7/365⁵

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, 2013.

⁵ Available in the U.S. and Canada only.

⁶ 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 Speed¹ (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 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® 6130 10/100 Base-T External Print Server, RS-232C Serial
- Receive Buffer/Memory:** 128 KB

Compatibility

- Operating Systems:** x86/x64 – Windows® 8, Windows 7, Vista®, XP, Server 2008, Server 2003; x86 – Win2000; x64 – Server 2008R2

Fonts/Characters

- Scalable:**
ML620/ML621 – Courier and Gothic 22-216 pt.
ML690/ML691 – 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 Input:** Single/Multi-part, Continuous forms, Cut sheet, Roll paper², Envelopes, Card stock, Labels
- Number of Copies:**
Original + up to 6 copies max³
- Thickness (Max):** Front/Back push 0.36mm (0.014");
Front/Back pull, Front/Back push-pull 0.44 mm (0.017");
Top pull 0.48 mm (0.019")
- 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

Environmental

- Size (WxDxH):**
ML620/ML690 – 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 – 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, 230V
- 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 extensions⁴

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

² ML620/690 only.

³ Depending on paper path and additional tractor used.

⁴ Available in the U.S. and Canada only.

⁵ ENERGY STAR® compliant.

All specifications subject to change without notice.

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Ordering Information

Description	Part Numbers	
Printers		
ML620 (Dual 9-Pin) – 120V ⁵	62433801	
ML620 (Dual 9-Pin) – 230V ⁵	62433802	
ML621 (Dual 9-Pin) – 120V ⁵	62433901	
ML621 (Dual 9-Pin) – 230V ⁵	62433902	
ML690 (24-Pin) – 120V ⁵	62434001	
ML691 (24-Pin) – 120V ⁵	62434101	
Accessories		
OkilAN 6130 10/100 Base-T Ethernet Internal Print Server	72008701	
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	
Supplies		
Ribbon Cartridge (ML620/ML690) 8 MM Char.	44173403	
Ribbon Cartridge (ML621/ML691) 13 MM Char.	44173404	
OKIcare Depot Warranties⁴		
	U.S.	Canada
ML620/ML621 4-Yr Depot	38022204	38022214
ML620/ML621 5-Yr Depot	38022205	38022215
ML690/ML691 4-Yr Depot	38022604	38022614
ML690/ML691 5-Yr Depot	38022605	38022615
OKIcare Overnight Exchange Warranties⁴		
	U.S.	Canada
ML620/ML621 Upgrade to Overnight Exchange Warranty	38022303	38022313
ML620/ML621 4-Year Overnight Exchange Warranty	38022304	38022314
ML620/ML621 5-Year Overnight Exchange Warranty	38022305	38022315
ML690/ML691 Upgrade to Overnight Exchange Warranty	38022703	38022713
ML690/ML691 4-Year Overnight Exchange Warranty	38022704	38022714
ML690/ML691 5-Year Overnight Exchange Warranty	38022705	38022715

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.okidata.com



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