



Reliable and fast performance for multi-part forms or fine business correspondence

Rugged, reliable dedicated forms printers, backed by a 3-year standard warranty

Whether you need regular output of continuous multi-part forms, fine business correspondence or combinations of both, an OKI® ML400 Series printer is the solution.

ML400 Series printers—9-pin or 24-pin—handle the printing needs of the most demanding environments: point-of-sale, automation and utility applications such as wholesale or retail sales counters, financial departments, and manufacturing or warehouse sites. The 24-pin models also produce letter-quality type and high-resolution graphics for the office and executive suite.

Unequaled performance technology – ML400 Series printers sport features that give them a strong edge over their predecessors as well as the competition:

- An internal cooling fan provides continuous airflow for the printhead—maximizing throughput productivity for long, unattended print jobs
- Additional feed rollers provide precise forms handling and printed-character placement accuracy
- The 3-piece top cover provides easy access and unsurpassed break resistance

Fast, with finesse – ML400 Series printers run the gamut of paper types and envelopes at lightning speed: 9-pin ML420/ML421 models reach 570 cps in SuperSpeed Draft mode¹ and 24-pin ML490/ML491 models turn out 105 cps in Letter-quality mode².

All have a rugged printhead with an average life expectancy of 400 million-character, made up of powerful samarium magnets and stored-energy pins that deliver precise, sharp characters all the way through to the last page of a 6-part form.³

The patented OKI® closed-loop feedback system assures character placement accuracy. And a zero-tear feature accurately positions continuous forms for a clean tear at the perforation to eliminate wasted stock.

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 ML400 Series printers are sure to win you over, too!

Expect more from OKI ML400 Series printers: faster speeds... better performance... greater reliability.

Highlights:

- Rated at 20,000 hours MTBF
- 3-year standard warranty⁵
- Print speeds up to 570 cps¹
- Integrated USB and IEEE Parallel connectivity standard
- Available with OkiLAN® 10/100 Base-T Ethernet Internal Print Server⁶
- Crisp, clear printing – on letterhead or 6-part forms³
- Expandable head gap – accommodates multi-part forms and cut-sheet stock, including labels and stiff index stock
- 128 KB receive buffer/memory
- 4 million-character ribbon life
- 400-million character printhead life
- Small footprint – ideal for retail countertops

¹ ML490/ML491 up to 475 cps in Utility/Draft Mode.

² ML420/ML421 up to 95 cps in Near Letter-Quality mode.

³ ML420/ML421 only; ML490/ML491 up to 5-part forms.

⁴ IDC Quarterly Tracker 2019.

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

⁶ Standard on ML420n/ML490n and ML421n/ML491n.



Narrow-carriage (ML420 and ML490)



Wide-carriage (ML421 and ML491)

ML400 Series

Specifications

Technology, Speed and Print Characteristics

- **Printhead:** SIDM – ML420/ML421 9-pin; ML490/ML491 24-Pin
- **Graphics Resolution:** ML420/ML421 – 240 (H) x 216 (V) dpi maximum; ML490/ML491 – 360 (H) x 360 (V) dpi maximum
- **Feed Rate:** 4.5 ips (11.4 cm/sec.)

Print Speed (cps):

	LQ	NLQ	Utility	HS Draft	SS Draft
ML420/ML421	n/a	95	380	510	570
Pitch (cpi)	10	10	10	10	12
ML490/ML491	105	n/a	315	420	n/a
Pitch (cpi)	10	10	10	10	

Emulation, Interface and Memory

- **Emulation:** ML420/ML421 – Epson® FX, IBM® ProPrinter®, OKI MICROLINE ML490/ML491 – Epson® LQ(ESC/P2), IBM® ProPrinter®, IBM® AGM, IBM®XL24
- **Interface:** IEEE Parallel and USB on all models; also available with RS-232C Serial or OkilAN® 10/100 Base-T Internal Print Server standard (see Ordering Information); Options include RS-232C Serial and OkilAN 10/100 Base-T Internal Print Server
- **Memory:** 128K

Compatibility

- **Operating Systems:** All Models: Windows®10, Windows 8.1, Windows 8, Windows 7, Server 2019, Server 2016, Server 2008/R2, Server 2003, Vista, XP
ML490/ML491 only: Server 2012/R2, 2000

Characters

- **Bar Codes:** 11

Paper Handling

- **Paper Input:** Single-part, Multi-part, Continuous forms, Cut sheet, Index stock, Envelopes, Labels
- **Number of Copies:** ML420/ML421 – original + 5; ML490/ML491 – original + 4
- **Thickness:** 0.017" (0.43 mm) maximum
- **Paper Feeding:** Rear Push and Friction Feed
- **Options:** Bottom Push Tractor, Top Pull Tractor, Cut Sheet Feeder, Roll Paper Stand

Environmental

- **Size (WxDxH):** ML420 and ML490 – 15.7" x 13.6" x 6.0" (39.8 cm x 34.5 cm x 15.2 cm); ML421 and ML491 – 21.7" x 13.6" x 6.0" (55.1 cm x 34.5 cm x 15.2 cm)
- **Net Weight:** ML420 and ML490 – 13.0 lb. (5.9 kg); ML421 and ML491 – 17.2 lb. (7.8 kg)
- **Acoustic Noise:** 52 dBA to 56 dBA
- **Power Requirements:** 120V Model: 100 VAC -10% ~ 127 VAC +10%; 230V Model: 220 VAC -10% ~ 240 VAC +10%

Power Consumption (Avg.):

	Printing	Idle	Sleep Mode ²
ML420/ML421			
HS Draft	51W	4.5W max	2.0W – 4.2W
Utility	58W		
ML490/ML491			
HS Draft	60W	4.5W max	2.0W – 4.2W
Utility	78W		

Warranty and Reliability

- **Limited Warranty:** 3-Year parts, labor and printhead¹
- **MTBF:** 20,000 hours (25% duty cycle/35% page density)
- **Reliability (Monthly Duty Cycle):** ML420 – 24,000 pg.; ML421 – 17,000 pg. ML490 – 20,000 pg.; ML491 – 12,000 pg.
- **Printhead Life:** 400 million characters
- **Ribbon Life:** 4 million characters

¹ Available in the U.S. and Canada only.

² Measured with and without options attached.

All specifications subject to change without notice.

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Ordering Information

Description	Part Number	
Printers		
ML420 Parallel (120V)	62418701	
ML420 Parallel (120V) Black	91909701	
ML420 Parallel (230V)	62418702	
ML420 Serial (120V) Black	91909703	
ML420n (120V)	62418703	
ML420n (120V) Black	91909704	
ML421 Parallel (120V)	62418801	
ML421 Parallel (230V)	62418802	
ML421 Parallel (120V) Black	92009701	
ML421 Serial (120V) Black	92009703	
ML421n (120V)	62418803	
ML421n (120V) Black	92009704	
ML490 Parallel (120V)	62418901	
ML490n (120V)	62418903	
ML491 Parallel (120V)	62419001	
ML491 Serial (120V)	62423901	
ML491n (120V)	62419003	
Accessories		
Top-Mount Pull Tractor Kit with acoustic cover:		
ML420 and ML490	70030501	
ML421 and ML491	70030601	
Bottom Push Tractor Kit:		
ML420 and ML490	70030701	
ML421 and ML491	70030801	
Cut Sheet Feeder:		
ML420/ML490	44497401	
ML421/ML491	44497501	
Roll Paper Stand (ML420 and ML490 only)	70023301	
RS-232C Serial Interface	44455101	
OkilAN® 7130E 10/100 Base-T Ethernet Internal Print Server	45268701	
Self-inking Ribbon Cartridge	42377801	
OKIcare® Depot Warranty Enhancement Program		
	ML420/421	ML490/491
4-Year Extension	38000811	38001811
5-Year Extension	38000812	38001812

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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