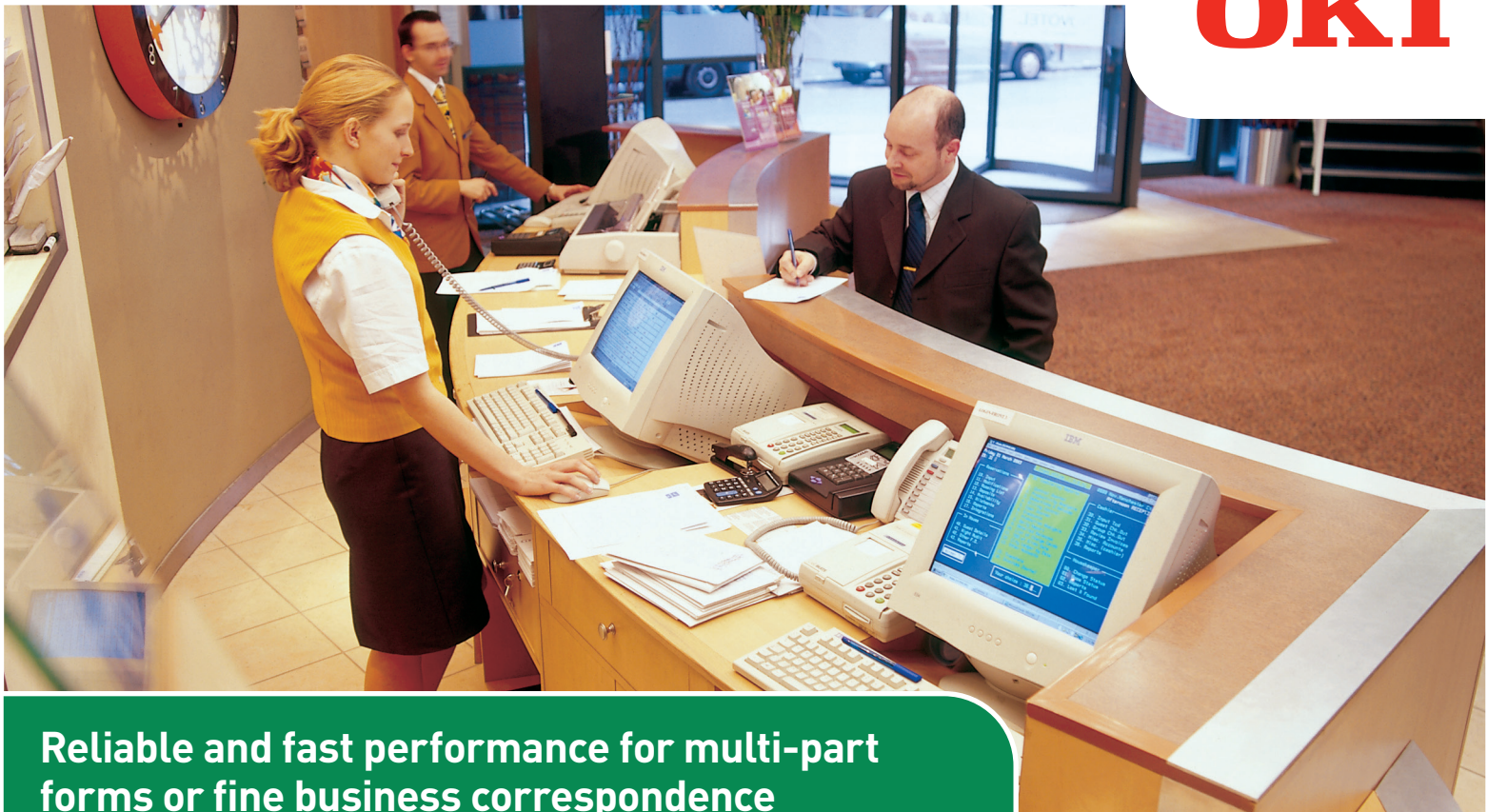


ML400 Series

OKI®



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!

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

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

Highlights:

- Rated at 20,000 hours MTBF
- 3-year standard warranty⁶
- Print speeds up to 570 cps¹
- Integrated USB and IEEE Parallel connectivity standard
- Available with OkiLAN® 10/100 Base-T Ethernet Internal⁶ or External Print Server
- 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 2013.

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, 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 or External Print Servers
- **Memory:** 128K

Compatibility

- **Operating Systems:** Windows® 8, Windows 7, Vista® 32/64,
XP, 2000, LINUX

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

For more information on OKI Impact Printers and
supplies—including OKIcare® Extended Service Programs—
please call, toll free, **1.800.OKI.DATA** (800.654.3282)¹ or
visit our website: **www.okidata.com**

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

² Measured with and without options attached.

³ ENERGY STAR® compliant.

All specifications subject to change without notice.

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MICROLINE, OkiLAN, OKIcare Reg. T.M., Oki Electric Industry Co.,
Ltd. 7-Day/24-Hour logo T.M., Oki Data Americas, Inc. Epson Reg.
T.M., Seiko Epson Corp. IBM, ProPrinter Reg. T.M., International
Business Machines, Inc. Vista, Windows Reg. T.M., Microsoft Corp.
USB-Logo T.M. Universal Serial Bus Implementers Forum, Inc.
ENERGY STAR Reg. T.M., U.S. EPA.



Ordering Information

Description	Part Numbers	
Printers		
ML420 Parallel (120V) ¹		62418701
ML420 Parallel (120V) Black ¹		91909701
ML420 Parallel (230V) ³		62418702
ML420n (120V) Black ¹		91909703
ML420n (120V)		62418703
ML420n (120V) Black		91909704
ML421 Parallel (120V) ³		62418801
ML421 Parallel (230V) ³		62418802
ML421 Parallel (120V) Black ¹		92009701
ML421 Serial (120V) Black ¹		92009703
ML421n (120V)		62418803
ML421n (120V) Black		92009704
ML490 Parallel (120V) ³		62418901
ML490n (120V)		62418903
ML491 Parallel (120V) ³		62419001
ML491 Serial (120V) ³		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		70030101
Roll Paper Stand (ML420 and ML490 only)		70023301
RS-232C Serial Interface		44455101
OkilAN® 6130 10/100 Base-T Ethernet Internal Print Server		72008701
Self-inking Ribbon Cartridge		42377801
OKIcare® Depot Warranty Extensions¹		
	U.S.	Canada
ML420/ML421 4-Year Depot	38000801	38000811
ML420/ML421 5-Year Depot	38000802	38000812
ML490/ML491 4-Year Depot	38001801	38001811
ML490/ML491 5-Year Depot	38001802	38001812
OKIcare Overnight Exchange Warranty Extensions¹		
	U.S.	Canada
Upgrade to 3-Yr. Overnight Exchange		
ML420/ML421	38000803	38000813
ML490/ML491	38001803	38001813
ML420/421 4-Yr. Overnight Exch.	38000804	38000814
ML420/421 5-Yr. Overnight Exch.	38000805	38000815
ML490/491 4-Yr. Overnight Exch.	38001804	38001814
ML490/491 5-Yr. Overnight Exch.	38001805	38001815

OKI DATA AMERICAS, INC.

USA
2000 BISHOPS GATE BLVD.
MOUNT LAUREL, NJ 08054-4620
TEL: 800.OKI.DATA (800.654.3282)
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: 55.5263.8780 (MEXICO)
FAX: 55.5250.3501 (MEXICO)

OKI DATA DE MÉXICO, S.A. DE C.V.
MARIANO ESCOBEDO, 748 8º PISO
COL. NUEVA ANZURES C.P. 11590
MÉXICO, D.F.
TEL: 55.5263.8780
FAX: 55.5250.3501

OKI DATA DO BRASIL INFORMÁTICA LTDA.
AV. ALFREDO EGÍDIO DE SOUZA ARANHA, 100
BLOCO C – 4º ANDAR
04726-170 – SÃO PAULO – SP – BRASIL
TEL: 11.3444.3500
FAX: 11.3444.3502

WWW.OKIDATA.COM