

# OKI® MICROLINE® 420/421

9-Pin Impact Printers



# Reliable, fast and easy to use.



*Narrow carriage  
MICROLINE 420*



## Highlights:

Rated at 20,000 hours MTBF

3-Year standard warranty

Print speeds up to 570 cps<sup>1</sup>

Integrated USB and IEEE Parallel connectivity standard

Optional OkiLAN® 6120i 10/100 Base-T Ethernet® internal print server

Crisp, clear printing on 6-part forms

Expandable head gap – accommodates multi-part forms and cut-sheet stock including labels and stiff index stock

128 KB receive buffer/memory

7.5 million-character ribbon life

200-million character printhead life

Small footprint – ideal for retail countertops

Uses the same accessories as ML320/321 Turbo Series

<sup>1</sup> SuperSpeed Draft Mode.

## This rugged dedicated forms printer is backed by a 3-Year standard warranty.

**It's designed for commanding performance in demanding environments.**

The OKI® MICROLINE® 420 9-pin printer and its wide-carriage counterpart ML421 are a quantum leap forward in Impact printer performance.

Engineered for dedicated forms printing in the most demanding point-of-sale, automation and utility environments, ML420/421 printers are right at home in applications such as retail sales counters, medical facilities, automotive rental and repair shops, airline boarding gates, financial departments and manufacturing sites. Their print speed and versatile paper handling make them ideal for the office, too.

**Performance is built in.** The ML420/421 sport features that give them a strong edge over their predecessors as well as the competition:

- 3-piece top cover provides easy access and unsurpassed break resistance
- 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

**Exceptional paper-handling versatility.** The ML420/421 have a zero-tear feature that accurately positions continuous forms for a clean tear at the perforation, which eliminates wasted stock. You also get perfect results with single sheets, index stock, labels and envelopes, too. All without jams or smears.

**Value that goes the distance.** The OKI ML420/421 deliver the kind of productivity usually reserved for printers many times the price—starting with a super-fast print speed of 570 characters-per-second (in SuperSpeed Draft mode).

Then there's the rugged printhead—with its 200-million character life, powerful samarium cobalt magnets and stored-energy pins—delivering precise, sharp characters all the way through to the last page of a 6-part form. And the patented OKI closed-loop feedback system that assures character placement accuracy.

The OKI ML420/421: Just turn 'em on and turn 'em loose.

**OKI®**  
**COMMAND**  
**PERFORMANCE™**

# OKI® MICROLINE® 420/421

## 9-Pin Impact Printers

**Built to last, inside and out.** Field-proven reliability is just one reason OKI® MICROLINE® impact printers are the most widely-used in North America.<sup>1</sup> The performance-optimized power supply of the ML420/421 has been enlarged to easily handle harsh printing conditions—and its energy management capabilities match power expenditures to print-job size, maximizing the life of the 9-pin printhead and other components. A long-lasting rack-and-pinion drive system ensures print quality longer than belt or cable systems. And the ergonomically-designed, impact-resistant chassis protects the ML420/421 from damage, even in the toughest working environments.

**Performance that's user-friendly.** Controls are conveniently placed on the front panel for fast access. The automatic loading of continuous and cut stock makes every print job easier, and the design of the internal sheet separator enables easy loading of tractor-fed paper into the rear push tractor.

OKI has a reputation for quality and reliability no competing printer can claim—and backs it with 3 years of warranty coverage<sup>2</sup> and a network of authorized OKI Dealer Service Centers and Service Depots.

The reliable, affordable ML420/421 can work wonders in virtually any forms-handling application.



Wide-carriage MICROLINE 421

### Specifications

#### Technology, Speed and Print Characteristics

- **Printhead:** 9-Pin SIDM
- **Graphics Resolution:** 240 (H) x 216 (V) dpi maximum
- **Feed Rate:** 4.5 ips (11.4 cm/sec.)
- **Print Speed and Character Matrix:**

Mode	NLQ (10 cpi)	Utility (10 cpi)	HSD (10 cpi)	SSD (12 cpi)
Speed (in cps)	95	380	510	570

#### Emulation, Interface and Memory

- **Emulation:** Epson® FX, IBM® ProPrinter®, OKI MICROLINE
- **Interface: Standard** – IEEE Parallel and USB;  
**Optional** – RS-232C Serial and Ethernet® via OkiLAN® 6120 i 10/100 Base-T Internal Print Server (no AC power adapter required); Twin-ax/Co-ax (Also available through 3rd Party)
- **Memory:** 128K

#### Compatibility

- **Operating Systems:** Windows® XP, 2000, 98/95, 3.x and NT® 4.0; MS-DOS®

#### Paper Handling

- **Paper Input:** Single-part, Multi-part, Continuous forms, Cut sheet, Index stock, Envelopes, Labels
- **Number of Copies:** 6
- **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

#### Warranty and Reliability

- **Limited Warranty:** 3-Year parts and labor, 2-Year printhead
- **MTBF:** 20,000 hours (25% duty cycle/35% page density)
- **Reliability:**  
ML420 – 24,000 pg./mo. duty cycle  
ML421 – 17,000 pg./mo. duty cycle
- **Printhead Life:** 200 million characters
- **Ribbon Life:** 7.5 million characters

#### Environmental

- **Size (WxDxH):**  
ML420 – 15.7" x 13.6" x 6.0" (39.8 cm x 34.5 cm x 15.2 cm);  
ML421 – 21.7" x 13.6" x 6.0" (55.1 cm x 34.5 cm x 15.2 cm)
- **Net Weight:**  
ML420 – 16.4 lb. (7.43 kg); ML421 – 21.2 lb. (9.6 kg)
- **Acoustic Noise:** 56 dBA
- **Power Requirements:** 120V Model: 120 VAC +6%, -15%;  
230V Model: 230 VAC +15%, -14%

### Ordering Information

Description	Part Numbers
MICROLINE 420/Parallel/120V	62418701
MICROLINE 420/Parallel/120V/Black	91909701
MICROLINE 420/Parallel/230V	62418702
MICROLINE 421/Parallel/120V	62418801
MICROLINE 421/Parallel/230V	62418802

#### Accessories

Top-Mount Pull Tractor Kit with acoustic cover:	
ML420	70030501
ML421	70030601
Bottom Push Tractor Kit:	
ML420	70030701
ML421	70030801
Cut Sheet Feeder	70030101
Roll Paper Stand (ML420 only)	70023301
RS-232C Serial Interface (19.2K baud max.)	70012801
OkilAN® 6120i 10/100 Base-T Ethernet Internal Print Server	70046501
OkilAN® 6020e 10/100 Base-T Ethernet External Print Server	70036001
OkilAN 6010e 10 Base-T Ethernet External Print Server	70034401
Self-inking Ribbon Cartridge	42377801
Co-ax Adapter	70047201
Twin-ax/Co-ax (Also available through Third Party. Call 1-800-OKI-DATA.)	

#### OKicare® Overnight Exchange Warranty Extensions<sup>3</sup>

	U.S.	Canada
OKI ML400 Series 1-Yr. Warranty Ext.	58264901	58263111
OKI ML400 Series 2-Yr. Warranty Ext.	58264902	58263112

#### OKicare® Depot Warranty Extensions<sup>3</sup>

	U.S.	Canada
OKI ML400 Series 1-Yr. Warranty Ext.	58264701	58265511
OKI ML400 Series 2-Yr. Warranty Ext.	58264702	58265512
Upgrade to 3-Yr. Overnight Exchange	58264801	58264811

**For more information** on OKI Impact Printers and supplies, including OKicare® Extended Service Programs: **1-800-OKI-DATA** (800-654-3282).

<sup>1</sup> Q4 2003 IDC Quarterly Tracker and Evans Research.

<sup>2</sup> 3-year standard warranty parts and labor/2-year printhead.

<sup>3</sup> Available in the U.S. and Canada only.

All specifications subject to change without notice.

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# OKI®

*Oki, Network Solutions  
for a Global Society*

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