

# OKI® MICROLINE® 320/321 Turbo Series

9-Pin Impact Printers



## High performance that goes the distance.



### Highlights:

Built rugged and reliable in the OKI® Tank-Tough® tradition.

Designed for point-of-sale, automation and utility applications.

Handles paper stock twice as thick as the competition can.

Zero-tear and auto-park help to eliminate wasted forms.

### Target Markets:

Automation

Office Workstations

Warehouse or Manufacturing

Financial Departments

Point of Sales/Service

Retail Stores

Hotels

Pharmacies

Auto Parts

Auto Repair

### Tank-Tough® reliability, expanded head gap and zero-tear capability for dedicated forms printing.

The MICROLINE® 320/321 Turbo builds on the OKI® Tank-Tough heritage. This 9-pin printer is now engineered even tougher for dedicated printing in the most demanding point-of-sale, automation and utility applications. It can easily run twice as long as most printers in its class! And it's economical enough to put wherever you need data on the spot.

The ML320/321 Turbo puts the "work" in workstations for financial departments, wholesale or retail sales counters, even for harsh or warehouse or manufacturing environments. Its relentless performance comes from the rugged printhead design... the lighter, stronger, more efficient motor... The long-lasting rack-and-pinion drive system... And a protective, impact-resistant chassis.

The printer can accommodate multipart forms and stock that are up to twice as thick as those that fit our nearest competitor. The printhead delivers a stronger punch—right to the last page of a 6-part form! A patented optical sensor accurately positions the printhead for the precise output, and the auto-tear feature accurately positions your continuous forms for a clean tear right at the perforation—eliminating wasted forms.

The ML320/321 Turbo can meet your needs today and in the future. It's exactly the same size as the legendary ML320/321 and it's compatible with virtually all custom and off-the-shelf software, making it the perfect replacement.

This machine has all the Tank-Tough reliability and high performance you need.

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

# OKI® MICROLINE® 320/321 Turbo Series

## 9-Pin Impact Printers

### For WANs, LANs, workgroups or small businesses

The ML320/321 Turbo/n is the solution for true remote management. It comes with a high-speed OkiLAN® 6120e 10/100 Base-T Internal Print Server—pre-installed and ready to perform—so that all of the printer's advantages can be enjoyed across your company network and accessed by users via the Internet.

### These ML320/321 Turbo/n features... mean great benefits for you

#### True Remote Management Capability – provides IT managers the ability to

- Manage corporate printer assets remotely; check printer status and change settings through OkiVIEW® 32 or from anywhere in the world via a Web browser
- Provide support to end-users quickly, without having to go to printer site

#### Automatic Outbound e-mail alerts

- Alerts up to 4 people via e-mail, anywhere in the world, of printer/network problem: Paper out, Paper jam, Door open
- Different alerts can be sent to different people

#### 10/100 Base-T Ethernet connectivity; up to 470 Kbps data transfer rate

- No performance bottlenecks – only network traffic limits throughput

#### Internal integrated solution

- Network connectivity without changing printer's physical location
- Enables bottom paper feed, custom cabinets; minimizes "cable clutter"

#### Full Windows® support

- Works with Windows 2000/ME, 98/95 and NT® 40

#### Full Novell® support: NDS®, NDPS, NLSP; IPX/SPX protocol support

- Works in Novell environments

#### UNIX support

- Java-based utility lets printer be "discovered", installed and managed

#### HP® JetAdmin® and Web JetAdmin® compatible

- Print server/printer can be "discovered" and managed

#### Enhanced Web page – 10 "most recent" print job history

- Facilitates job tracking

#### Internet printing

- Printer can accept jobs over the Internet using Internet Printing Protocol

## Specifications

### Technology, Speed and Print Characteristics

- **Print Method:** 9-pin (.34 mm diameter) Serial Impact Dot Matrix

#### • Print Speed (cps)¹:

NLQ	Utility	HS Draft	SS Draft
75	300	390	435

#### Graphics Resolution:

288(H) x 144(V) dpi max. OKI® MICROLINE®;  
240(H) x 216(V) dpi max. Epson®/IBM®

- **Feed Rate:** 5.0 ips

### Emulations, Interface and Memory

- **Emulation:** Epson FX, IBM PPR III, (DEC®) ANSI x 3.64² and OKI MICROLINE
- **Interface:** Standard: IEEE Parallel; USB; **Optional:** RS-232C Serial; Ethernet® via OkiLAN 6120e 10/100 Base-T Internal Print Server standard on ML320T/n and ML321T/n³, OkiLAN® 6020e 10/100 Base-T External Print Server or OkiLAN® 6010e 10 Base-T External Print Server; Co-ax Adapter or Twin-ax/Co-ax (3rd party)
- **Memory:** Total RAM: 64K Receive Buffer: 28K

### Compatibility

- **Operating Systems:** Windows® XP, 2000, 98/95, 3.x and NT® 4.0; MS-DOS®; Novell® – NDS®, NDPS, NLSP; IPX/SPX protocol; UNIX; HP® JetAdmin®, Web JetAdmin® compatible; OkiVIEW® 32

### Fonts/Characters

- **Code Pages:** Standard ASCII; Epson Character Set I & II; IBM Character Set I, I & All; Code Page 850, 860, 863, 865, 437; BRASCII and ABICOMP
- **Scalable:** Courier, Gothic (22 – 216 pt. in 1-pt. increments)
- **Bar Codes:** Code 39, UPC A, UPC E, EAN 8, EAN 13, Interleaved 2 of 5, Code 128 (A, B, C), PostNet®

### Paper Handling

- **Paper Input:** Single/Multi-part, Continuous forms, Cut sheet, Envelopes, Card stock, Labels
- **Number of Copies:** 6
- **Thickness: Rear Feed:** 0.014" (0.36 mm) max.
- **Bottom Feed:** 0.017" (0.43 mm) max.⁴, Expandable to 0.031"
- **Paper Feeding:** Top/Rear/Bottom
- **Standard Tractor:** Rear Push with zero-tear and paper park
- **Options:** Top-Mount Pull Tractor, Bottom Push Tractor, Roll Paper Stand (ML320T only)

### Environmental

- **Size (WxDxH):**  
ML320T: 15.7" x 13.6" x 4.6" (39.9 cm x 35.5 cm x 11.7 cm)  
ML321T: 21.7" x 13.6" x 4.6" (55.0 cm x 35.5 cm x 11.7 cm)
- **Net Weight:**  
ML320T: 15.4 lb. (7.0 kg) ML321T: 20.9 lb. (9.5 kg)
- **Power Consumption:** 100W (max.) operating
- **Electrical:** 120V, 230V
- **Operating Temperature:** 41°F to 104°F (5°C to 40°C); 20% to 80% relative humidity
- **Noise: Utility mode:** 57 dBA; **Quiet mode:** 55 dBA

### Warranty and Reliability

- **Limited Warranty:** One year parts, labor and printhead
- **MTBF:** 10,000 hours (25% duty cycle, 35% page density)
- **Monthly Workload:**  
ML320T: 20,000 pages at 25% duty cycle/35% density  
ML321T: 13,000 pages at 25% duty cycle/35% density
- **Printhead Life:** 200 million characters at 25% duty cycle
- **Ribbon Life:** 4 million characters

## Ordering Information (Part Number)

### Printers

MICROLINE 320 Turbo – 120V, 50/60 Hz	62411601
MICROLINE 320 Turbo – 230V, 50/60 Hz	62411602
MICROLINE 321 Turbo – 120V, 50/60 Hz	62411701
MICROLINE 321 Turbo – 230V, 50/60 Hz	62411702
MICROLINE 320 Turbo/n – 120V	62415401
MICROLINE 321 Turbo/n – 120V	62415501
MICROLINE 320 Turbo/D2 – 120V, 50/60 Hz	62412901
MICROLINE 320 Turbo/D2 – 230V, 50/60 Hz	62412902
MICROLINE 321 Turbo/D2 – 120V, 50/60 Hz	62413001
MICROLINE 321 Turbo/D2 – 230V, 50/60 Hz	62413002
MICROLINE 320 Turbo with Cut Sheet Feeder (Single Bin) – 120V, 50/60 Hz	62411603
MICROLINE 321 Turbo with Cut Sheet Feeder (Single Bin) – 120V, 50/60 Hz	62411703

### Accessories

Top-Mount Pull Tractor Kit with acoustic cover:	
ML320T	70030501
ML321T	70030601
Bottom Push Tractor Kit:	
ML320T	70030701
ML321T	70030801
Cut Sheet Feeder	70030101
Roll Paper Stand (ML320T only)	70023301
RS-232C Serial Interface (19.2K baud max.)	70012801
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	52102001
Co-ax Adapter	70047201
Twin-ax/Co-ax (Also available through Third Party. Call 1-800-OKI-DATA.)	

### OKIcare® Overnight Exchange Warranty Extensions<sup>5</sup>

	U.S.	Canada
OKI SIDM Desktop 1-Yr. Warranty Ext.	58251901	58251911
OKI SIDM Desktop 2-Yr. Warranty Ext.	58252001	58252011

### OKIcare® Depot Warranty Extensions<sup>5</sup>

	U.S.	Canada
OKI SIDM Desktop 1-Yr. Warranty Ext.	58251001	58251011
OKI SIDM Desktop 2-Yr. Warranty Ext.	58251101	58251111
Desktop Upgrade to Overnight Exchange	58251801	58251811

For more information on OKI Impact Printers and supplies, including OKIcare® Extended Service Programs: **1-800-OKI-DATA** (800-654-3282).<sup>5</sup>

<sup>1</sup> Print speeds apply to all pitches (10, 12, 17.1, and 20 cpi).

<sup>2</sup> ML320/321 Turbo/D is compatible with DEC ANSI 3.64 applications.

<sup>3</sup> Factory-configured only.

<sup>4</sup> Requires Optional Push or Pull Tractor.

<sup>5</sup> Available in U.S. and Canada only.

All specifications subject to change without notice.

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# OKI®

Oki, Network Solutions  
for a Global Society

#### To contact Oki Data Americas, Inc.

In USA: 2000 Bishops Gate Blvd.  
Mount Laurel, NJ 08054-4620  
Tel: 800.OKI.DATA (800.654.3282)  
Fax: 856.222.5320

In Canada: 2735 Matheson Blvd. East  
Mississauga, Ontario L4W 4M8  
Tel: 905.238.4250  
Fax: 905.238.4421

#### In Latin America and Mexico:

2000 Bishops Gate Blvd.  
Mount Laurel, NJ 08054-4620  
Tel: 856.231.0002  
Fax: 856.222.5071

