

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 Extensions⁵

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

OKIcare® Depot Warranty Extensions⁵

| | 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).⁵

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

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

³ Factory-configured only.

⁴ Requires Optional Push or Pull Tractor.

⁵ Available in U.S. and Canada only.

All specifications subject to change without notice.

© 2004 Oki Data Americas, Inc. Oki Reg. T.M., M.D., M.R., MICROLINE, OkiLAN, OKIcare Reg. T.M., Oki Electric Industry Co., Ltd. Command Performance, 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. Windows, Windows NT, MS-DOS Reg. T.M., Microsoft Corp. Energy Star Reg. T.M., U.S. EPA.

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

