MICROLINE® 320/321 Turbo Series

UniLink™

OKI®
PRINTING SOLUTIONS



Optimize your business performance with reliable, low-cost impact printing

Legendary reliability, expanded head gap, and zero-tear capability for dedicated forms printing

The MICROLINE® 320/321 Turbo builds on the OKI Printing Solutions heritage of rugged reliability. This 9-pin printer is engineered to be tough enough 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.

Getting the job done, day in and day out

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 design of its printhead; a light, strong, 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 precise output, and the auto-tear feature accurately positions your continuous forms for a clean tear right at the perforation—eliminating wasted forms.

Accommodating your growing business

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.

MICROLINE 320/321 Turbo Series: all the reliability and high performance you need.

Highlights:

- Built rugged and reliable in the OKI Printing Solutions 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



MICROLINE® 320/321 Turbo Series

ML320/321Turbo/n:forworkgroups or small businesses

The OKI Printing Solutions answer for true remote management is the ML320/321 Turbo/n. 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.

Great features mean great benefits for you

TrueRemote ManagementCapability–providesIT managersthe abilityto

- Manage corporate printer assets remotely; check printer status and change settings through the PrintSuperVision utility 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 problems: 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® Vista™, XP, 2000/ME, 98 and NT® 40

Full Novell® support

- Including NDS®, NDPS, NLSP; IPX/SPX protocols
- 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

All specifications subject to change without notice.

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Spe ci fic ations

Technology,Speed and Print Characteristics

- Print Method: 9-pin(.34mmdiameter)SerialImpact Dot Matrix
- Print Speed (cps) 1:

NLQ	Utility	HSDraft	SSDraft
75	300	390	435

- GraphicsResolution: 288(H) x 144(V) dpi max. OKI® MICROLINE®; 240(H) x 216(V) dpi max. Epson®/IBM®
- Feed Rate:5.0ips

Emulations, Interface and Memory ®

- Emulation: EpsonFX, IBM PPRIII, (DEC) ANSI x 3.64 2 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/n 3, OkiLAN® 6020e+ 10/100 Base-T External Print Server; Co-ax Adapter or Twin-ax/-Co-ax (3rd par t y)
- Memory: Total RAM: 64K Receive Buffer: 28K

Compatibilit y

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

Fonts/Characters

- Code Pages:Standard ASCII; Epson Character Set I & II; IBM CharacterSetI, I & AII; Code Page 850, 860, 863, 865, 437;BRASCIIand ABICOMP
- Scalable:Courier,Gothic (22 – 216 pt. in 1-pt. increments)
- Bar Codes: Code39, UPC A, UPC E, EAN 8, Interleaved2of5,Code 128 (A, B, C), PostNet®, EAN 13,

Paper Handling

- Paper Input: Single/Multi-part, Continuous forms, Cut sheet, Envelopes,Card stock, Labels
- Number of Copies6
- Thickness: RearFeed: 0.014" (0.36 mm) max. Bottom Feed:0.017" (0.43 mm) max.4, Expandable to 0.031"
- Paper Feeding:Top/Rear/Bottom
- StandardTractor:Rear Push with zero-tear and paper park
- Options: RollPaperStand(ML320T only) Top-Mount Pull Tractor, Bottom Push Tractor,

Environmental

- Size (WxDxH): ML320T: 15.7"x13.6" x 4.6" (39.9 cm x 35.5 cm x 11.7 cm) ML321T: 21.7"x13.6" x 4.6" (55.0 cm x 35.5 cm x 11.7 cm)
  - Net Weight: ML320T – 14.3lb.(6.5 kg); ML321T – 18.7 lb. (8.5 kg)
- Power Consumption:
- Electrical: 120V,230V 100W (max.) operating
- Operating Temperature: 41°F to 104°F (5°C to 40°C); 20% to 80% relative humidity
- Noise: Quiet mode – 52 dBA

Warranty and Reliability

- Limited Warranty: 1-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:3 million characters

Ordering Information

Description	Part Number
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/D 1 – 120V, 50/60 Hz	62412901
MICROLINE 320 Turbo/D 1 – 230V, 50/60 Hz	62412902
MICROLINE 321 Turbo/D 1 – 120V, 50/60 Hz	62413001
MICROLINE 321 Turbo/D 1 – 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
O ptions	
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	70036002
Self-inking Ribbon Cartridge	52102001
Co-ax Adapter	70047201
Twin-ax/Co-ax (available through 3rd Party; call 1.800.OKI.DATA5)	

OKIcare® Overnight Exchange Warranty Extensions 5	U.S.	Canada
SIDM Desktop 1-Yr. Warranty Extension	58251901	58251911
SIDM Desktop 2-Yr. Warranty Extension	58252001	58252011
OKIcare® Depot Warranty Extensions 5	**U.S.**	**Canada**
SIDM Desktop 1-Yr. Warranty Extension	58251001	58251011
SIDM Desktop 2-Yr. Warranty Extension	58251101	5 8 2 51111
Desktop Upgrade to Overnight Exchange	58251801	58251811

For more information on Impact printers and supplies from OKI Printing Solutions, including OKIcare® Extended Service Programs, please call 1.800.OKI.DATA (800.654.3282) 5 or visit www.okiprintingsolutions.com/us

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.

OKI® PRINTING SOLUTIONS

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