

TEC B-472 Thermal Printer

Lightning Fast, Rugged, Reliable and Versatile

■ Heavy Duty Printer for Factory, Warehouse or Office

The B-472 is a 203DPI printer with a maximum width of 4 inches and up to an incredible 10-inches per second print speed. This rugged, hard-working printer accommodates a wide range of tags and stocks, has internal media handling and a tough steel case making it ideal for factory, warehouse or shipping department, yet elegant enough for office or retail applications.

■ Feature Loaded for a Variety of Tasks

Features TEC's exclusive FETHR™ print head, 600 meter ribbon length, straight-through paper path and internal media handling. Optional add-on features include high speed PCMCIA interface board, expansion I/O interface, parallel port, PCMCIA card slot, ribbon save, internal rewind and label peel-off for a variety of applications.

■ The B-472 Adapts to Your Needs

The B-472's I/O board, with expansion I/O for flexibility; this allows other equipment to control the printer. The PCMCIA slot allows optional 4MB PCMCIA cards to plug directly into the printer—letting the user store up to twenty label formats and forty font sets. You can also interface the B-472 via a variety of connectivity options. They let you easily integrate into your current networks and other popular host systems. And the TEC Windows® 95, 98 and NT™ 4.0 drivers provide support for Windows® based packages.

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ADVANCED FEATURES for EASE OF USE...

■ **Lightning Fast Print Speed** The B-472's fast 10-inch-per second print speed and 203DPI resolution makes this an ideal printer for a wide variety of applications including manufacturing, medical, transportation, and shipping, wherever maximum throughput is a must.

■ **FETHR™ Print Head** FETHR™ (Floating Edge Type Head Revolution). TEC's exclusive FETHR™ head technology permits lighter head pressure on a wide range of stocks. The revolutionary FETHR™ head adjusts automatically to thick or thin media and papers of varying smoothness without mechanical changes. Print quality is not dependent upon platen pressure; therefore, there is less abrasion and wear on the print head. Minimal pressure characteristics of the FETHR™ heads extend print head life well beyond conventional heads used by other manufacturers.

■ **Self-Centering Media Guide** This rack and pinion mechanism takes the guesswork out of loading media. It automatically adjusts labels from the center outward thus insuring proper media loading.

■ **Center Loaded Media** TEC's exclusive center loaded media path means media is pulled through evenly and uniformly. As a result, print head pressure is equal from edge-to-edge allowing for sharp, clear and consistent print quality across the full width of the media.

■ **Straight-Through Media Path** The straight-through media path eliminates flexing or bending of media, so when the media comes in contact with the print head it is completely flat. This results in virtually no media movement at the print head and more accurate printing.

■ **Rugged Industrial Design and Construction** The B-472's rugged painted steel exterior construction is designed to "take a licking and keep on printing" even in the harshest and dustiest environments.

■ **Warranty** As a member of the Toshiba Group, our printers are built with the quality and reliability you expect from the world's leading printer manufacturer. The B-472 carries TEC's standard 1-Year Warranty on parts. The print head is guaranteed for Two Million Linear Inches or 1-Year, whichever comes first.

TECHNICAL SPECIFICATIONS

B-472 Thermal Printer

FEATURES

Print Head Resolution	8 dots/mm (203 dpi) Corner Edge
Number of Print Heads	1
Print Method	Direct thermal/thermal transfer print
Print Speed	3"/s, 6"/s, 10"/s
Issue Methods	Continuous (Option: strip, cut)
Media Alignment	Center Loaded
Communication Interface	Serial: (2400, 4800, 9600, 19200 baud)
	Options:
	-Centronics, External I/O, PCMCIA interface
	-High Speed Interface
	-Internal Twinax/Coax
	-External Twinax to Parallel
	-External Ethernet to Parallel BNC
	-External Ethernet to Parallel RJ45
Media Sensors	Transmissive (gap or notch), Reflective (black mark)
Panel Switches	FEED, RESTART, PAUSE
LEDs	POWER, ONLINE, ERROR
LCD	16 characters x 1 line

PRINT AREA

Length	Continuous	6 mm to 384 mm
	Strip	21.4 mm to 384 mm
	Cut Tag	23.4 mm to 384 mm
		Label
	Expanded Memory	896 mm
Width		10.0 to 128 mm

MEDIA

Width	Continuous	47.8 mm to 112 mm
	Strip	8 mm to 999 mm
Length	23.4 mm to 999 mm	
	Cut Tag	25 mm to 999 mm
		Label
Thickness	Tag	150 µm to 290 µm
	Label	130 µm to 170 µm
Outside Diameter (Max)		200 mm
Core Inside Diameter		76.2 mm
Gap between labels		2 mm to 20 mm
Black Mark Length		2 mm to 10 mm (black mark is printed on the back side)

RIBBON

Width	68 - 112 mm
Length (Max)	600 mm
TEC Models	TEC Authentic II (Wax-Resin) TEC Authentic III (Resin) TEC Authentic IV (Premium Resin)

FORMAT

Characters	Built-in Fonts	Bit map font: 20 types (Times Roman, Helvetica, Presentation, Letter Gothic, Prestige Elite, Courier, OCR-A, OCR-B) Outline fonts: TEC Helvetica, TEC Helvetica Proportional
	Programmable Logos & Fonts	Downloadable to optional PCMCIA memory card (B-4704-PCM-LP)
Rotation		0°, 90°, 180°, 270°

FORMAT

Bar Codes	One Dimensional	JAN8, JAN13, EAN8, EAN13, UPC-A, UPC-E, EAN8+2, EAN8+5, EAN13+2, EAN13+5, UPCA+2, UPC-A+5, UPC-E+2, UPC-E+5, MSI, ITF, NW7, CODE39, CODE93, CODE128, (subset a, b, c), UCC/EAN 128, POSTNET, RM4SCC, KIX
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Two Dimensional Rotation	MaxiCode, PDF417, QR Code, Datamatrix, Micro PDF417, CP Code
Line Graphic	0°, 90°, 180°, 270° Line, Rectangle, Ellipse BMP, TOPIX Compression, 1 to 1 Bit Map
Language	TPCL1

MEMORY

Flash ROM	1 MB
EE PROM	128 Kbytes
D-RAM	2MB
PCMCIA	4MB Flash ROM (Optional: B-4704-PCM-LP)

FUNCTIONS

Ribbon Saving	Optional
Thermal Head broken dots check	N/A
On-the-fly format	Standard (Automatic)

OPTIONAL EQUIPMENT

-Centronics, External I/O, PCMCIA interface (B-4700-I/O-QM)
Cutter Module (B-4205-QM)
High Speed PC Interface (B-4800-PC-OM)
Fan Fold Paper Guide (B-4905-FF-QM)
Dispense Module (B-4905-H-QM)
Ribbonsave (B-4905-R-QM)
Internal Twinax /Coax (B-4850-ITS-LP)
External Twinax to Parallel (B-4850-ETP-LP)
External Ethernet to Parallel BNC (B-4851-EET-LP)
External Ethernet to Parallel RJ45 (B-4851-EET-LP)
4 MB PCMCIA CARD (B-4704-PCM-LP)
External Rewinder (B-RW01-LP)

ENVIRONMENTAL REQUIREMENT

Operating	Temperature	5 to 40 °C
	Humidity	25 to 85% RH
Storage	Temperature	-40 to 60 °C
	Humidity	10 to 90% RH

ELECTRICAL

Power Supply Standards	100 to 120 V 50/60 Hz
Safety:	GS, UL, C-UL,
Radio	CE Class A
Interference:	FCC Class A

EXTERIOR

Cover	Painted Steel
Dimensions	308 (H) x 291 (W) x 460 (D) mm
Supply Roll Holder	Internal, Self Centering
Operation Panel	Plastic
Color	Cover: Painted Steel Panel: Dark Grey
Weight	17 Kg (With supply holder)

ACCESSORIES

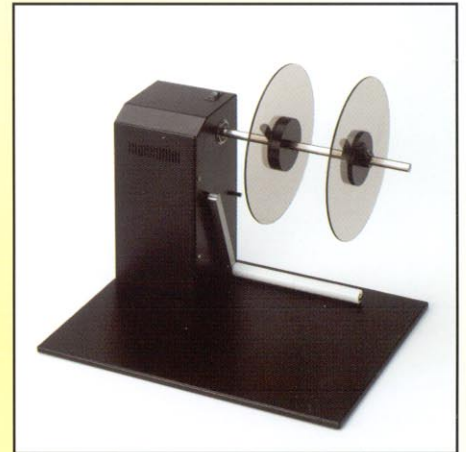
Owner's Manual, Power Cord, Print Head Cleaner, Supply Holder

SOFTWARE

Windows Drivers 3.1, 95, 98, NT 4.0 (Downloadable from www.tecamerica.com) (Not included with printer)



Guillotine Cutter



External Rewinder



Internal View

TEC America, Inc.

Corporate Office
4401-A Bankers Circle, Atlanta, Georgia 30360
Tel: (770) 449-3040 • Fax: (770) 449-1152

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