

PRODIGY MAX™

by DATAMAX THERMAL TRANSFER PRINTER



For demanding bar code labeling applications requiring the ultimate in versatility and performance, choose the Prodigy MAX printer. While other printer manufacturers may offer a limited range of standard configurations, with capabilities and options you may pay for but never need, Datamax makes each Prodigy MAX printer to order. Choose the features you need and Datamax will custom-configure and ship your printer within a matter of days. If your application requirements change with time, many options may be field installed to ensure that the Prodigy MAX printer will grow with you.

Every Prodigy MAX printer features a high powered 32-bit microprocessor to give you more labels in less time – up to 10 inches per second – plus a rugged steel cabinet that shields the printer and media, ensuring continuous quality operation, even in the most demanding environments.

Datamax is known around the world as a leading manufacturer of bar code printing systems. The Demand Datamax emblem is your assurance of quality, innovation, performance and value. When you expect world-class results, demand Datamax.

The Prodigy Max™ Features:

- With 32 possible configurations, the Prodigy MAX provides a modular, highly configurable design to meet demanding, high-volume and/or industrial application requirements.
- Exceptionally reliable, dependable and rugged. Initial MTBF tests resulted in no electrical or mechanical failures after 20 million inches printed.
- Flexibility. Feature rich with numerous options, The Prodigy MAX can grow to meet a variety of application needs. Options include: Thermal transfer, 300 dpi, internal rewind, front panel keypad/LCD, present sensor, cutter, ribbon saver, memory expansion and much more.

DATAMAX®

PRODIGY MAX™

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PRINTER TYPE

Direct Thermal,
Optional Thermal Transfer

PRINT SPEED

2" - 10" per second (51mm - 254mm); up to 8" (203mm) per second with optional 300 dpi

RESOLUTION

203 dpi (8 dots/mm)
Optional 300 dpi (12 dots/mm)

BAR CODE MODULUS

5 mil to 110 mil "X" dimension in picket fence or ladder orientations; optional 300 dpi from 3.3 mil to 80 mil "X" dimension

MAXIMUM PRINT WIDTH

4.1" (104mm)

MEDIA WIDTH

.75" - 4.65" (19mm - 118mm)

PRINT LENGTH

.25" - 12" (6mm - 305mm) with standard RAM. May be increased by adding optional memory expansion. .75" (19mm) minimum print length with optional present sensor.

MEDIA WINDOW

Clear side door panel to easily monitor media supply levels

MEDIA TYPE

Roll-fed, or fan-fold materials, die-cut or continuous labels; perforated or continuous tag/tricket stock

MEDIA THICKNESS

.0025 - .0100" (0.635mm to .254mm)

MEDIA SENSING

"See through" for liner-backed die-cut labels and tags; left bias reflective sensor for media with black stripe sensing

SUPPLY ROLL

8" (203mm) maximum diameter on 3" (76mm) core. Fan-fold stock accepted from rear of printer

LABEL BACKFEED

For use with optional cutter or internal rewind using peel-off mode in on-demand applications

RIBBONS

Industry standard ribbon cores: 25mm, 38mm, 51mm, 64mm, 76mm, 89mm, 102mm, 110mm, 114mm in width; up to 1478" (450m) in length

CABINET

Cabinetry of all-metal construction

BAR CODES

Code 39, Interleaved 2 of 5, Code 128 (subsets A, B and C), Codabar, LOGMARS, UPC-A, UPC-E, UPC 2 & 5 digit addendums, EAN-8, EAN-13, EAN 2 & 5 digit addendums, UPC random weight, Code 93, Plessey, Universal Shipping Container Symbol, UCC/EAN Code 128, Postnet, PDF417, Code 128 MOD 43, UPS MaxiCode, FIM, Telepen, Interleaved 2 of 5 MOD 10, HIBC and DataMatrix

RESIDENT FONTS

Nine alphanumeric fonts from .035" (.89mm) to .64" (16mm) and OCR-A, OCR-B, CG Triumvirate™ from AGFA® in both portrait and landscape orientations (from 6 point to 48 points; CG Triumvirate™ Bold Condensed scaleable.

CHARACTER SET

Modified IBM® Code Page 850; includes characters for English and most European, Scandinavian and Spanish speaking countries

FONT EXPANSION, ROTATION

All fonts expandable vertically and horizontally up to 24x; fonts and graphics can be printed in four directions: 0°, 90°, 180° and 270°

GRAPHICS SUPPORT

.PCX, .BMP and .IMG files

TIME AND DATE

Standard

HOURS OF USE/INCHES PRINTED

Two counters; one absolute, one resettable

REVERSE FIELDS/MIRROR IMAGE

Any font or graphic field can be printed as a normal or reverse image

MEMORY MODULE SLOT

One side panel slot holds optional FLASH or RAM modules

BUILT-IN EPROM

1MB with 203 dpi, 2MB with 300 dpi

BUILT-IN DRAM

512KB with 203 dpi, 1MB with 300 dpi (addressable RAM available for application software; amount dependent on label length.)

INTERFACES

RS-232, RS-422 at 300 to 19,200 BPS; XON/XOFF; CTS/DTR

POWER SOURCE

115, 230 VAC 50-60Hz

OPERATING TEMPERATURE

40° F to 105° F (4° C to 40° C)

DIMENSIONS

11.38" (289mm) H x 10" (254mm) W x 18.25" (463mm) D

WEIGHT

42 lbs. (19kg)

OPTIONS

THERMAL TRANSFER

Factory installed

300 DPI PRINTHEAD

300 dpi (12 dots/mm), 4.16" (105mm) print width (factory installed)

CUTTER

Maximum Thickness .010" (.254mm)

PASSPORT

Portable keyboard/display terminal provides interface for stand-alone printing

PRESENT SENSOR

Used for on-demand label dispensing

INTERNAL REWIND

5" (127mm) OD capacity; label backing rewound in peel and present mode, and label liner rewound in batch mode (factory installed)

FRONT REWIND

8" (203mm) maximum outside diameter capacity (full supply roll)

FRONT PANEL KEYPAD/LCD

Six keys provided behind the left front panel; 2 rows by 16 character LCD (factory installed)

RIBBON SAVER

Eliminates ribbon waste when feeding past non-printing areas (factory installed)

FLASH CARTRIDGES

Used for permanent storage of custom fonts, formats and graphics

MEMORY EXPANSION

On board memory DRAM expansion of up to 4MB for expanded print length, addressable on-board memory and scalable font character cache

WINDOWS® DRIVER

Used for creating label formats using virtually any windows-based program

PARALLEL ADAPTER

Converts Centronics® parallel type data to RS-232

TWINAX/COAX CONNECTIVITY

Supports printing from IBM® PC midrange or mainframe computers (factory installed)

HIGH SPEED INTERFACE

IEEE parallel interface plus serial I/F up to 56KB BPS

ON-LINE VERIFICATION

External verification option

AGENCY LISTINGS

Built to UL, CSA and TUV-GS safety standards and VDE Class B, FCC Class A emissions standard and CE Mark

ILPC FIRMWARE

International Language Print Capabilities firmware allows printing of non-English character sets in over 40 languages

NETWORK CONNECTIVITY

Micro Print Server allows multiple users on various platforms to share the same printer.

Hosts Supported:

- Novell Netware
- UNIX
- Windows NT
- LAN Manager
- DEC

Protocols Supported:

- IPX
- TCP/IP
- LAT
- NetBIOS/NetBEUI

CORPORATE

HEADQUARTERS

4501 Parkway
Commerce Boulevard
Orlando, Florida USA 32808
Phone: 407-578-8007
Fax: 407-578-8377
www.datamaxcorp.com

DATAMAX INTERNATIONAL

Herbert House
Elizabeth Way,
Pinnacles, Harlow
Essex CM19 5FE
United Kingdom
Phone: +44-1-279-772-200
Fax: +44-1-279-424-448

ASIA-PACIFIC SALES

19 Loyang Way
#01-01 CILC Building
Singapore 508724
Phone: +65-542-2611
Fax: +65-542-3611

DATAMAX LATIN AMERICA

4501 Parkway
Commerce Boulevard
Orlando, Florida USA 32808
Phone: 407-523-5520
Fax: 407-578-8377
www.datamaxcorp.com

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