

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™by **DATAMAX** T H E R M A L T R A N S F E R P R I N T E R**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**PRINT WIDTH**

.5" - 4.1" (13mm - 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/ticket stock**MEDIA THICKNESS**

.0025" - .0100" (.0635mm - .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 CODESCode 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 Symbology, UCC/EAN Code
128, Postnet, PDF417, Code 128 MOD 43,
UPS MaxiCode, FIM, Telepen, Interleaved
2 of 5 MOD 10 and HIBC**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 point); CG Triumvirate
Bold Condensed, scalable**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 IMAGEAny 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 DRAM512KB with 203 dpi, 1MB with 300 dpi
(addressable RAM available for application
software; 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)

DIMENSIONS11.38" (289mm)H x 10" (254mm)W x
18.25" (463mm)D**WEIGHT**

42lbs (19kg)

OPTIONS**THERMAL TRANSFER**

Factory installed

300 DPI PRINTHEAD300 dpi (12 dots/mm), 4.16" (105mm)
print width (factory installed)**CUTTER**

Maximum Thickness .010" (.254mm)

PRESENT SENSOR

Used for on-demand label dispensing

INTERNAL REWIND5" (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)**PC-BATCH™ SOFTWARE**Label creation software package for IBM® PC
or compatibles**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 LISTINGSBuilt to UL, CSA and TUV-GS safety
standards and VDE Class B, FCC Class A
emissions standard and CE Mark

DEMAND DATAMAX

CORPORATE HEADQUARTERS4501 Parkway
Commerce Boulevard
Orlando, Florida USA 32808
407-578-8007
Fax 407-578-8377
<http://www.datamaxcorp.com>**NORTH AMERICA SALES**7500 Flying Cloud Drive
Suite 655
Eden Prairie, Minnesota 55344
612-946-0026
Fax 612-946-0030**DATAMAX INTERNATIONAL**Herbert House, Elizabeth Way
Pinnacles, Harlow
Essex CM19 5FE United Kingdom
+44-1-279-772-200
Fax +44-1-279-424-448**ASIA-PACIFIC SALES**19 Loyang Way
#01-01 CILC Building
Singapore 508724
+65-542-2611
Fax +65-542-3611**YEAR 2000
COMPLIANT****DATAMAX®**

92-2149-01 Rev A

This data sheet is for informational purposes only.
DATAMAX MAKES NO WARRANTIES, EXPRESSED OR
IMPLIED, IN THIS SUMMARY. Specifications are subject to
change without notice. All trademarks are the property of
their respective owners. ©1998 DATAMAX BAR CODE
PRODUCTS CORPORATION. All rights reserved 11/98.