

Nova



Combining high-performance capabilities in a compact, robust and modern design...

The Nova printer family is for customers who need high speed, high capacity label rolls, reliability, and ease of use. These printers are the most compact printers in their class. Featuring all-metal casing, they are tough enough for harsh industrial environments, yet quiet enough for office use.

- Robust, high-performance range of thermal transfer and direct thermal printers
- 3 different print widths: 4.1" (104 mm) - 6.6" (168 mm) - 8.5" (216 mm)
- Print resolution: 200 or 300 dpi
- Print speed: 9.8"/s (up to 250 mm/s)
- Prints texts, logos, barcodes and graphics
- 10 scalable fonts are standard
- Resident barcodes, including several 2-dimensional and stacked codes (QR code, PDF 417, Datamatrix, Maxicode, EAN 13, etc.)
- 2 high speed serial interfaces, USB and Ethernet ports



CORPORATE HEADQUARTERS
4501 Parkway Commerce Blvd.
Orlando, Florida USA 32808
Phone (407) 578-8007
Fax (407) 578-8377
customercare@datamaxcorp.com

DATAMAX LABELS AND RIBBONS
Phone (800) 321-2233
Fax (800) 436-8920
dmxmedia@datamaxcorp.com

DATAMAX LATIN AMERICA
Phone (407) 523-5520
Fax (407) 578-8377
tdelgado@datamaxcorp.com

DATAMAX INTERNATIONAL
Phone +44 1279 772200
Fax +44 1279 424448
rbyrne@datamaxcorp.com

**DATAMAX ASIA-PACIFIC
REPRESENTATIVE OFFICE**
Phone +65-6542-2611
Fax +65-6542-3611
datamax@pacific.net.sg

**DATAMAX CHINA
REPRESENTATIVE OFFICE**
Phone +86 21 64952882
datamax_cn@china.com

➤ PRODUCT SPECIFICATIONS

Nova

Nova Series

High performance and user friendly



Nova Series printers are easy to operate, even for non-technical people. For high-performance printing, they are exceptionally versatile, meeting the requirements of most user applications.

- Big power supply enables printing at high speed (up to 10 ips, 250 mm/s) on the entire surface of labels.
- Optimized print cycle: enhanced print speed.
- Big roll - 5.9" (150 mm) is standard; 8.5" (215 mm) optional - very little downtime for reloading.
- Open paper path for fast reloading.
- Open media roll for fast reloading.
- Print roll can be removed without special tools: speeds up maintenance.
- 3 different media positioning sensors are standard (short, long and black-mark); changing media type is faster as it does not require changing the sensor.
- Special non-stick surface coating simplifies cleaning.
- Webserver and built-in set-up program requires little software education for operators.

Nova Series

Robust and easy to integrate



Nova Series printers are designed to fit into many different systems at varying levels of integration and meet a range of connectivity requirements.

- All-metal construction.
- Suitable for desktop or built-in applications, thus always enabling the best installation possible (particularly suitable for integrators).
- Wide range of interfaces (two high-speed serial ports, USB and Ethernet ports); connects to all systems.
- Automatic 110-240 VAC regulator adapts to different voltages; the same printer works all over the world without cumbersome external boxes.

Technical specifications

Nova4 DT



Technology Direct thermal	Height 5.9" (150 mm)	Width 9.1" (232 mm)	Depth 14.2" (360 mm)
Weight 12.8 lbs (5.8 kg)	Print resolution 200 or 300 dpi	Maximum print width 4.1" (104 mm)	Print speed UP TO 10 ips/S (250 mm)

Nova4 TT



Technology Thermal Transfer	Height 8.3" (210 mm)	Width 9.4" (240 mm)	Depth 14.2" (360 mm)
Weight 15.9 lbs (7.2 kg)	Print resolution 200 or 300 dpi	Maximum print width 4.1" (104 mm)	Print speed UP TO 8 ips/S (200 mm)

Nova6 DT



Technology Direct Thermal	Height 5.9" (150 mm)	Width 11.5" (292 mm)	Depth 14.2" (360 mm)
Weight 15 lbs (6.8 kg)	Print resolution 200 dpi	Maximum print width 6.6" (168 mm)	Print speed UP TO 8 ips/S (200 mm)

Nova6 TT



Technology Thermal Transfer	Height 8.3" (210 mm)	Width 12.4" (315 mm)	Depth 14.2" (360 mm)
Weight 18.1 lbs (8.2 kg)	Print resolution 200 dpi	Maximum print width 6.6" (168 mm)	Print speed UP TO 8 ips/S (200 mm)

Nova8 DT



Technology Direct Thermal	Height 5.9" (150 mm)	Width 13.5" (345 mm)	Depth 14.2" (360 mm)
Weight 15.5 lbs (7 kg)	Print resolution 200 dpi	Maximum print width 8.5" (216 mm)	Print speed UP TO 6 ips/S (150 mm)



➤ **PRODUCT SPECIFICATIONS**

Nova

Printing

- 10 scalable fonts are standard: Univers Medium - Univers Bold - Univers Condensed - Univers Condensed Bold - CG Times - CG Times Italic - CG Times Bold - CG Times Bold Italic - Letter Gothic Bold - Coronet
- Supports English and all European languages including Greek and Cyrillic characters
- Most current barcodes are available including several two-dimensional and stacked codes: QR code, PDF 417, Datamatrix, Maxicode, EAN 13, etc.
- Prints lines, boxes and frames - Graphics in all four directions
- Can receive compressed graphics for fast Windows® printouts

Media

- Die cut labels, continuous roll, fanfold tickets and tags
- Minimum length: 0.39" (10 mm) - Maximum length: unlimited

	Nova4 DT	Nova4 TT	Nova6 DT	Nova6 TT	Nova8 DT
Minimum width	1.5" (40 mm)	1.5" (40 mm)	1.5" (40 mm)	1.5" (40 mm)	5.9" (150 mm)
Maximum width	4.5" (115 mm)	4.5" (115 mm)	7.1" (180 mm)	7.1" (180 mm)	9.1" (230 mm)

- Thickness: 0.0023" (58 µm) to 0.0071" (180 µm)
- Core diameter: minimum 1.5" (40 mm) - Not for Nova8 DT
- Maximum label roll diameter: up to 8.5" (215 mm) - Not for Nova8 DT
- Fanfold media (Nova8 DT)

Programming language

- Communication in printable ASCII characters
- File management for macros and graphics
- Field rotation 0°, 90°, 180°, 270°
- Status request
- Built-in real time clock
- 10 individual, programmable counters
- Power requirements: 110 / 240 VAC ±15%, 50-60 Hz
- Operating temperature range: 41°F to 104°F (5°C to 40°C)
- Operating humidity: 20% to 85% non-condensing relative humidity

Communication interface

- Two serial interfaces, 300-115 200 bps
- USB interface
- Bi-directional Centronics (option)
- Ethernet: TCP/IP (LPD, R Telnet, FTP, Webserver)

Other characteristics

- Options: 8.5" (215 mm) paper roll kit (not for Nova8 DT) - Peel-off kit (Not for Nova8 DT) - LTS - Bi directional Centronics interface - Daisy chain cable.
- 32-bit RISC processor - 2 MB flash memory - 512 KB SRAM - 2 MB DRAM
- Unique printing method reduces memory need and increases print cycle speed
- Built-in configuration program
- Operating system stored in flash PROM, for easy software upgrades
- Works internally with Unicode character set
- Time and date symbols
- Backwards compatible with the Markpoint MkII series
- Power requirements: 110 / 240 VAC ±15%, 50-60 Hz
- Operating temperature range: 41°F to 104°F (5°C to 40°C)
- Operating humidity: 20% to 85% non-condensing relative humidity

Label design software

- MP Design, Codesoft, Label Matrix, Nice Label
- Most label design software using graphics mode

