

# 680-PRO Impact Dot Matrix Printer

## Fast, Reliable Performance That's Sure To Impact Your Output

### Features:

- High-speed, 24-pin printing
- Flatbed APG (Automatic Platen Gap) adjustment technology
- Multipart printing and front versatility
- Dual paper paths
- 8 bar-code fonts
- MTBF rating of 10,000 POH; 400-million strokes/wire print head life
- Windows 3.1x, 95, 98, 2000, Me and NT 3.51/4.0 printer drivers
- Unbeatable service and support
- Warranty - 2 years

A perfect replacement to dated flatbed printers, the 680-PRO is compatible with most software applications and integrates easily into most network platforms with a mean-time-between-failure (MTBF) rating of 10,000 power-on hours. The popular 680-PRO is the most economical printer to handle mission critical tasks like printing tickets, receipts, checks, labels, and more.

Its straight paper path and flatbed feed design offer more efficient printing-without causing paper jams that can waste valuable time and damage high-cost forms. But, what's especially reassuring about the 680-PRO is its advanced APG (Automatic Platen GAP) technology. Sensing the thickness of multi-part forms, it automatically adjusts the position of the head to prevent damage to the pins from unnecessary force.



### Physical Dimensions:

Height (inches) 9.0" (230 mm)  
Width (inches) 19.6" (497 mm)  
Depth (inches) 15.2" (387 mm)  
Weight (lbs) 20.7 lbs (9.4 kg)

### Key Features:

Print Speed (cps @ 10 cpi)  
High Speed Draft 413  
Draft 310  
NLQ (9-pin) / LQ (24-pin) 103  
Maximum Form Parts 6  
Input Buffer 64 KB  
MTBF 10,000 POH @ 25% duty  
Print Head Life 400 million strokes/wire  
Sound Level 55 dB(A)  
Standard Interface Parallel  
Printer Language ESC/P2, IBM 2390 Plus emulation

# SPECIFICATIONS

## Printing Method

- 24-pin, impact dot matrix

## Print Direction

- Bi-directional with logic seeking

## Print Speed

- High Speed Draft 413 cps at 10 cpi
- Draft 310 cps at 10 cpi
- Letter Quality 103 cps at 10 cpi

## Character Sets

- 13 standard version
- 39 NLSP version
- 14 international character sets

## Scalable Bitmapped Fonts (cpi)

- Roman 8 to 32 points (every 2 pt)
- Sans Serif 8 to 32 points (every 2 pt)
- Roman T 8 to 32 points (every 2pt)
- Sans serif H 8 to 32 points (every 2pt)

## Resident Bitmapped Fonts (cpi)

- Draft 10 cpi, 12cpi, 15cpi
- Roman 10 cpi, 12cpi, 15cpi, Proportional
- Sans Serif 10cpi, 12cpi, 15cpi Proportional
- Courier 10cpi, 12cpi, 15cpi
- Prestige 10cpi, 12cpi
- Script 10 cpi
- OCR-B 10 cpi
- Orator 10 cpi
- Orator -S 10 cpi
- Script C Proportional

## Bar Code Fonts

- EAN-13, EAN-8, Interleaved 2 of 5, UPC-A, UPC-E, Code 39, Code 128, Postnet

## Formatting

- 1/6" (4.23 mm) or programmable in increments of 1/ 360" (.0706 mm)

## Paper Feed Mechanism

- Feeding Method Friction feed ( font manual, rear cut sheet feeder) push tractor feed (rear)
- Feeder Rear push tractor, Cut sheet feeder bin 1/bin2 (option), rollpaper holder (optional)

## Paper Feed Speed

- 64 millisecond per 1/6"
- 5" per second continuous feed

## Paper Path

- Manual insertion (front in , front out)
- Cut sheet feeder (rear in, front out)
- Tractor (rear in, front out)

## Input Buffer

- 64 KB

## Software Drivers

- Windows 3.1X, Windows 95, Windows 98
- Windows 2000, Windows Me and Windows NT 3.51/4.0

## Interface

Bi-directional 8-bit parallel interface (IEEE-1284 Nibble Mode supported)  
Type B interface slot option

## Printer Language

ESC/P 2  
IBM 2390 Plus emulation

## Paper Handling

### Cut sheet single sheet (front entry, manual insertion)

Width 3.5" to 12"  
Length 2.8" to 16.5"  
Thickness .0025" .0074

### Cut sheet multipart (front entry, manual insertion)

Width 3.5" to 12:"  
Length 2.8" to 16.5" (line glue on one side of the form, 11.7" maximum)  
Thickness .0047" to .018"  
Copies 1 original + 5 copies

## Envelop

No. 6, No. 10  
Thickness .0063" to .0205"

## Continuous Paper

Width 4" to 12"  
Length (one page) 3" to 22"  
Thickness .0025" to 0.18"  
Copies 1 original + 5 copies

## Continuous forms with labels

Base sheet width 4" to 12"  
Base sheet length 3" to 22"  
Total Thickness .0075"  
Roll Paper  
Width 8.5"  
Thickness .0028" to .0035"

## Sound Level

55dBA (ISO7779 Pattern)

## Power Requirement

Rated voltage AC 120 V  
Input voltage range AC 99 to 132 V  
Rated frequency range 50 to 60 Hz  
Input frequency range 49.5 to 60.5 Hz  
Control Panel Functions

Font, pause, tear off, LF/FF, load/eject, micro adjust, self test, data dump and the default setting

## Physical Dimensions

Width 19.6" (497mm)  
Depth 15.2" (386.5mm)  
Height 9.0" (229.5mm)  
Weight 20.7lb (9.4kg)

## Reliability

Total print volume 20 million lines (except print head)  
MTBF 10,000 POH (25% duty cycle)  
Print head life 400 million characters  
Black fabric cartridge 2 million characters  
(LQ mode, 10 cpi, 48 dots/character)

## Warranty

2 years

## Package

Power Cord  
Ribbon  
CD - Driver and Printer  
Management Software

*Specifications Subject to Change*

### Corporate Headquarters

Unimark Inc.  
9910 Widmer  
Lenexa, KS 66215  
United States  
Ph (800) 255-6356  
(913) 649-2424  
FAX (913) 649-5795

### North American Service Center

Unimark Service  
9910 Widmer  
Lenexa, KS 66215  
United States  
Ph (800) 451-2926  
(913) 649-2424  
FAX (913) 649-3483

### European Sales & Service

Unimark Europe Ltd.  
Woodlands Business Park - Unit 3  
Woodlands Park Avenue  
Maidenhead, Berkshire  
England  
Ph +44-1628-829-990  
FAX +44-1628-829-991

### Internet

Address [www.unimark.com](http://www.unimark.com)  
E-Mail [solutions@unimark.com](mailto:solutions@unimark.com)