



μSPEC 8

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IMP-00/812 IMPACT PRINTER

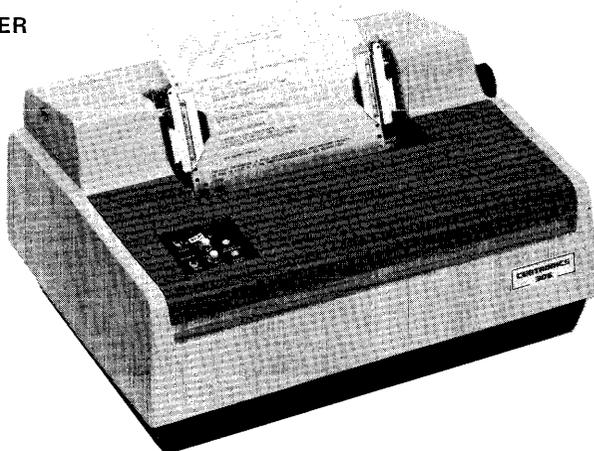


Figure 1. IMP-00/812 Impact Printer

STANDARD FEATURES

- PARALLEL DATA INPUT — transmission rate of up to 75,000 characters per second (burst).
- STROBED INPUT — prevents invalid data by refusing inputs until receipt of last character is acknowledged.
- EASY TO READ — 64 well-formed characters in a 9-by-7 dot matrix that is equivalent to 10-point type.
- VERTICAL/HORIZONTAL REGISTRATION — vertical spacing is fixed at 6 lines per inch; horizontal spacing is fixed at 10 characters per inch.
- STANDARD OUTPUT AND SPECIAL EFFECTS — standard 64-character USASCII code set; elongated characters on a character-by-character basis, initiated by software.
- LOW NOISE LEVEL — under normal operating conditions, below 65 dB.
- AUDIO ALARM BUZZER
- MANUAL LINE FEED SWITCH
- AUTOMATIC LINE FEED DISABLED BY JUMPER
- SELECTABLE SINGLE CHARACTER ELONGATION

OPTIONAL FEATURES

- VERTICAL FORMAT UNIT — paper movement controlled by programmed paper tape in a vertical format control unit directly linked to a gear train which drives the paper feed tractors.
- AUTOMATIC MOTOR CONTROL — the main drive motor is automatically turned off when no characters have been received by the printer for 7 seconds.

INTRODUCTION

Now, hear this! — to all microprocessor users who require a low-cost, medium-speed, impact printer with system interface. The IMP-00/812(E) is the printer you want for IMP and PACE Prototyping Systems. Using appropriate software, this printer provides an output of 100 characters per second at a maximum line width of 80 characters; the characters are imprinted with a standard 9-bt-7 dot matrix.

For 80-character lines, the average speed is 60 lines per minute; for lines with less than 30 characters, speeds in excess of 150 lines per minute are obtainable.

Special paper is not required, and one original and one to four carbon copies, all very clean and legible, can be produced. The paper is sprocket-fed and can be varied in width to a maximum of 9½ inches. As an option, special character sets can be implemented, and, under software direction, elongated boldface characters can also be printed. The printer is completely self-contained.

SPECIFICATIONS

Microprocessor-to-Printer Interface:

Method of Connection — PC Card via Cable and 30-pin Viking Connector

Interface Card Position (On early machines, positions may vary) —

A1J6 for IMP-8P

A2J5 for IMP-16P and IPC-16P

A2J4 for IMP-16L

(Note: If printer is ordered with system, the card slot is wired; if ordered as an add-on, the user must perform interface wiring.)

Power Requirements (Interface Card) — +5 V (1 A max.)

Printing Method — Impact, character-by-character, one line at a time

Printing Rate:

Characters — 100 characters per second

Full Lines — 60 lines per minute (80 character line)

Short Lines — 150 lines per minute (20-30 characters)

Transmission Rate, Parallel — Up to 75,000 characters per second

Data Input — Parallel

Character Structure — 9-by-7 dot matrix (option), 10-point type equivalent

Input Language Code — USASCII; 64 characters printed, lower case characters recognized and printed as upper case equivalent

Paper Feed — Sprocket feed, adjustable to 9½" paper width

Paper — Standard sprocketed paper

Number of Copies — Original and up to four carbon copies

Switch Controls — ON/OFF, SELECT, FORMS OVER-RIDE; Options: LINE FEED, SINGLE LINE FEED, TOP OF FORM (requires optional VFU)

Indicators — SELECT, PAPER OUT

Manual Controls — Forms Thickness, Paper Advance Knob

Character Buffer — 80-character buffer (1 line)

Format — 80 characters maximum per line, 6 lines per inch

Dimensions — 12" high, 19" deep, 23" wide

Weight — 66 pounds

Electrical Requirements:

117 VAC ± 10%, 60 Hz

117/234 VAC ± 10%, 50 Hz (option)

Temperature:

Operating — +40°F to +100°F

Storage — -40°F to +160°F

Humidity (% RH):

Operating — 5% to 90% (no condensation)

Storage — 0% to 95%

ORDERING INFORMATION

Order

Microprocessor System	Printer	Software & Interface
IMP-8P (60 Hz)	IMP-00/812	IMP-8P/812W
IMP-8P (50 Hz)	IMP-00/812E	IMP-8P/812W
IMP-16P (60 Hz)	IMP-00/812	IMP-16P/812W
IMP-16P (50 Hz)	IMP-00/812E	IMP-16P/812W
IMP-16L (60 Hz)	IMP-00/812	IMP-16L/812W
IMP-16L (50 Hz)	IMP-00/812E	IMP-16L/812W
IPC-16P (PACE) (60 Hz)	IMP-00/812	IPC-16P/812W
IPC-16P (PACE) (50 Hz)	IMP-00/812E	IPC-16P/812W

Manufactured under one or more of the following U.S. patents: 3963262, 3189758, 3231797, 3302356, 3317671, 3323071, 3381071, 3408542, 3421025, 3426423, 3440498, 3518750, 3519897, 3557431, 3560765, 3566218, 3571630, 3575609, 3579059, 3593069, 3597640, 3627469, 3617859, 3631312, 3633052, 3638131, 3648071, 3651565, 3692548.

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