IBM

4248

Model 1

Printer

IBM 4248 High Speed Impact Line Printer

PRODUCT DESCRIPTION

4248 Model 1

The IBM 4248 Model 1 is a high speed impact line printer using print band technology. The machine is capable of printing at nominal speeds of 2200 (low), 3000 (medium), and 3600 (high) lines per minute under operator control as well as program control.

The IBM 4248 will operate in either of two modes:

4248 mode or 3211 compatible mode

Customer Replaceable Items

- ☐ Ribbon
- ☐ Print band
- ☐ Platen wear strip
- ☐ Vacuum cleaner bag
- ☐ Forms retention belts
- ☐ Ribbon shield

Items are available from:

In EMEA countries: National Distribution Devision
In A/FE countries: Information Record Division (IRD)

CE Education

CE will receive formal education at CE Education Center.

Customer Education

CE will train the customer in conjuntion with the installation of the printer.

CE Career Path

The IBM 4248 will be serviced by:

In EMEA countries: Account System CE
In A/FE countries: GS/CSR

Attachment

IBM 4248 will be channel attached to IBM 370/3148 and above, (excluding 155–II and 165–II) 43xx, 303x and 308x.

Standard Features

- 132 print positions.
- Program controlled print line spacing at 6 or 8 lines per inch.
- Side–by–side (horizontal copy) print line capability.
- Under score and multi–strike capabilities.
- OCR quality at 2200 LPM with OCR band and ribbon on single part form.
- Self–contained control unit, memory and power.
- 12 character alpha/numeric operator display panel.
- Automatic Band Image Buffer (BIB) load.
- Program controlled check of BIB to insure proper band installed.
- Microcode on SLIM file diskette.
- Built in vacuum system: automatic while printing, operator may use it for additional cleaning.
- Power forms stacker.
- Operator attention light.
- Electronically selectable print densities (from operator panel).
- Operator initiated automatic flight–time compensation program (no mechanical adjustments).
- Electronic vertical forms adjust (from operator panel).
- Electronic character cutoff adjustment (from operator panel).

Optional Features

- 36 additional print positions.

Programming Support

- DOS/VSE, OS/VS1, MVS/JES2 & 3 will support IBM 4248 in 3211 mode.
- OS/VS1, MVS/JES2 and VM/SP will provide full 4248 support.

Maintenance Approach

- Inline micro code constantly monitors key functional areas of the machine and posts a message on the operator alpha/numeric display for each error detected.
- Customer Problem Analysis Resolution (CPAR) procedures are provided for the customer in 4248 Operators Procedure Cards.
- Micro diagnostics contain exercisers, utilities and extended tests to exercise the hardware or cause information to be displayed or printed.
- URSF (Universal Remote Support Facility): The IBM 4248 functional diskette can be installed in the Maintenance Device and a remote link established. Product Engineering will be able to examine logs and patch the diskette if necessary. The CE will have the capability of initiating a 'REF CODE' search in URSF as well as downloading available patches onto diskette directly from the M.D.

Key Serviceability Features

- AFTC (Automatic Flight Time Compensation) hammer delay times are electronically adjusted and stored on the diskette. There are no mechanical flight time adjustments on the hammer unit. The AFTC program will be run by the operator.
- Automatic BIB (Band Image Buffer) load: IBM 4248 will be capable of reading the band id from the band and automatically loading the band image buffer with the correct band image. Under program control the band id may be compared to the existing BIB image to insure the proper band is installed. An error will be generated if there is a mismatch.
- BAT's (Basic Assurance Tests) run with each power–on or IML.
- Error logging: Internal printer sense bytes and other key information such as positional hammer failure data is logged and stored on the SLIM file diskette. These logs may be displayed at the operator panel or printed on the printer.
- CE service panel: In the event of an internal power failure, this panel will indicate an over or under voltage condition and CB trip.