1MM

4245

Printer

4245 PRODUCT DESCRIPTION

The IBM 4245 is a standalone line printer which is directly attached to a channel interface.

The channel attachment is integrated with the printer. The printer operates at a speed of up to 2 000 LPM with a standard 48 character set which is placed on a Print Band made of steel.

AC and DC power is supplied and controlled by the 4245. Power ON/OFF can be controlled either from host system via SPI (Standard Power Interface) or via its own Power ON/OFF Switch.

The 4245 appearance and physical size is that of a 3203 Model 5.

Attachment

System attachment is via a byte multiplexer, selector or block multiplexer channel to:

- Virtual storages /370s (except 155 II, 165 II and 168)
- 3031 Processors
- 4300 Processors

Program Support

The 4245 will have initial Software Support by DOS/VSE Rel. 3.1 in 3262 Mod 1/11 compatibility mode.

VM/SP Support will be available in Release 3.0 in October 1983.

Customer Responsibility

It is the customer's responsibility to clean the paper path, purchase and replace the following:

- Ribbon
- Plastic Ribbon Shield
- Print bands
  - are ordered from the country supplies marketing group
- Vacuum cleaner bags
  - are supplied by CE and replaced by the customer

Design Features

- Print band Idle control
- Built-in vacuum system
- Forms control buffer programmable
- 6/8 LPI programmable
- Forms carriage driven by a stepper motor
- Automatic UCS Buffer Load
- Standard 132 print positions
- Power assisted Gravity Paper Stacker
- LED and switch for interface Enable/Disable
- SPI (Standard Power Interface)
- Local and Remote Power ON/OFF
- Motor driven hammer magnet residual
- Customer replaceable print band
- Customer replaceable ribbonshield
- Motor driven platen protection band

IBM INTERNAL USE ONLY

Maintainability

The 4245 uses microcode diagnostics, CELIA (CE Latched Indicator Analytic) stops, EREP logouts and a "Last Log" to determine the failing unit. The 4245 Maintenance Panel is the maintenance communication tool. The microdiagnostics will be the primary tool for fault detecting and fault isolation. Preventive Maintenance will be carried out at the time of an unscheduled service call.

- Maintenance Panel for Microcode diagnostics
- Microcode diagnostics resident in 2 memory cards (RAM/ROS 16K, ROS 48K) to diagnose the printer and the control unit
- Diagnostic package for FRU identification and entry into MAP (Maintenance Analysis Procedure) Charts
- MAP Charts in YES/NO format
- Bring Up Tests during POWER ON
- CELIA (CE Latched Indicator Analytic) Card with 16 LEDs to display programmed error stop address
- EREP (Environment, Recording Edit and Print Program)
- Microcode program measurement of hammer flight- and carriage timing
- LEDs for missing voltages and voltage monitoring from microcode
- General Logic Probe II

Product is assigned to Support Category II

Model Change

None

Technologies

- Solid Logic Technology (SLT)
- Dutchess
- Vendor Transistor Logic (VTL)
- Analog Master Slice (AMS)
- Bipolar Large Scale Integration (Bipolar LSI)
- Functional Storage Unit (FSU)

CE Career Path

Account System CE — EMEA
General System CS — A/FE

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Customer Engineering
Eurocoordination - Paris, France
A/FE - New York, USA

Printed in Western Germany

Dept. Form G 7902–750