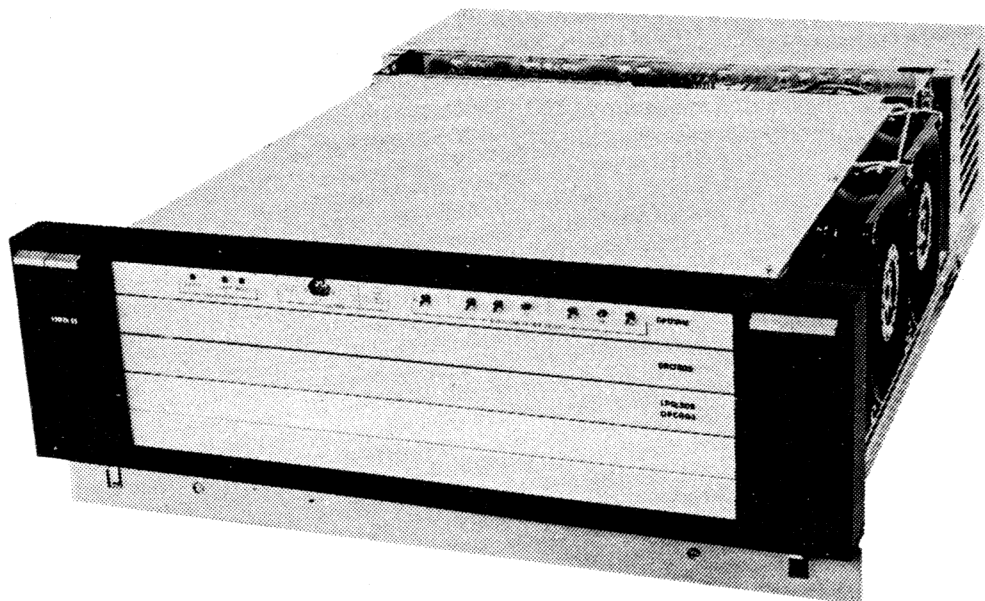


RC 3796

IBM Channel Attachment

- PROVIDES DIRECT CONNECTION OF RC3600 SUPPORT SYSTEM TO IBM 360 & 370/303x/4300 SERIES COMPUTERS
- APPLICABLE TO IBM SELECTOR CHANNELS, BYTE MULTIPLEXER - AND BLOCK MULTIPLEXER CHANNELS



GENERAL

By means of the RC3796 IBM channel attachment it is possible to connect an RC3600 support system directly to an IBM 360, or 370/303x/4300 series computer - or to IBM-compatible computers in general. Thereby the utilities of the RC3600 (and the entire RC product line) are available to IBM-users, whether the basic aims are communications handling, improved on-line facilities, or independency in peripheral selection.

Application examples include:

- File transfers to and from RC3600 disc.
Either the RC3600 support system can operate as a data entry or as a synchronous data collection/distribution system.
- Support of non-IBM devices.
The RC3600 support system can be used to handle a wide range of peripherals such as line printers, card readers, magnetic tape units, ECMA 34 cassettes, flexible discs, paper tape equipment, etc.
- Support of different protocols.
The RC3600 support system, beyond the IBM protocols 3271 BSC and 2780/3780/Multileaving BSC, also supports HDLC (X.25 LAP-B), CDC, and UNIVAC protocols in taking over the communications functions normally handled by the IBM 3705/4 or 270x communications control unit. Skills frequently used in connection with the RC3600 On-line Communications System, ROCS.
- Support of independent network structures.
The RC3600 support system provides for connectability to the advanced, independent packet switching services of modern networks, e.g. RCNET or Public Networks (X.25/X.21).

CHARACTERISTICS

The RC3796 IBM channel attachment is applicable to selector channels, byte multiplexer channels and block multiplexer channels of the IBM host. The channel attachment is connected as a standard IBM channel control unit. Hence the channel interface specifications relate to the IBM channel in question and are program-defined accordingly.

Apart from special channel protocols, also the following device-emulators are available:

- 1403 printer
- 3504/5 card reader
- 3525 card punch
- 3215 console
- 3272 display system

Standard features which are always included: Power controlled by the IBM EPO system. Switch-selectable online/offline status.

The RC3796 IBM channel attachment can be mounted in the cabinet of the RC3600 support system in which case the cable length to the IBM host is determined by the length of the IBM channel cables. The channel attachment can also be mounted in a separate cabinet (especially when several channel attachments are used to connect a number of RC3600s) whereby the distance to the IBM host is augmented by a further 15 meters. The environment specifications correspond with those of the RC3600 support system.

The obtainable transfer rates depend on the IBM channels in use and the complexity of the IBM device simulated. A maximum of 390 K bytes per second is nominal with infinite block length, typical performances will range around 200 K bytes per second.