

IBM  
IBM  
IBM

3845

3846

Data Encryption  
Devices

## PRODUCT DESCRIPTION

The IBM 3845 (table top series) and IBM 3846 (rack mounted series) are data encryption devices which electronically protect transmitted data from being understood if received without authorisation. Placed between the host/data terminal equipment and an external modem, they are used in pairs, ensuring total data link security irrespective of which end is transmitting.

An ancillary item, the Personalisation/Key Entry Unit, comprising a hand held keypad and display unit, is used with these devices. By using this item a customer data security officer may:

- Personalise the 3845 and 3846 to recognise the various characteristics of the line in which it is to be used; i. e. type of clocking, line speed, etc.
- Enter the key variable; this is a randomly selected function of the overall algorithm for encoding the clear text into cypher text.

The product range comprises seven models per machine type, facilitating connection within half duplex and duplex networks, and covering the Start/Stop, BSC and SDLC line protocols.



Typical 3845, open, with Personalisation/Key Entry Unit attached



Typical 3846, closed

## CUSTOMER SET UP (CSU)

The IBM 3845 and 3846 are customer set up devices, and there is no CE involvement in this set up. Should a customer experience problems with set up then his IBM marketing representative is directly responsible to assist him. If a machine set up cannot be completed due to a defect then the customer should return the device to the designated CFM2 location.

## CENTRALISED FACILITY MAINTENANCE 2 (CFM2)

The IBM 3845 and 3846 are not serviced by CE in the field, but at a designated CFM2 location. The customer, having determined that the device is defective by the use of PDP and/or substitution, will pack the device, enclose a service label, and mail the device to the designated CFM2 location.

NOTE:- The IBM 3845 and 3846 are "purchase only" machines.

## FURTHER INFORMATION

All Customer Engineers should review the Technical Services Information Letter (TSI) on IBM 3845 and 3846 as soon as it has been received in the branch office. Field managers are recommended to review the TSI with their CEs at the earliest opportunity. Some degree of field impact on CE is inevitable from the presence of these devices in CE serviced networks.



IBM World Trade Corporation  
DP Customer Engineering  
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