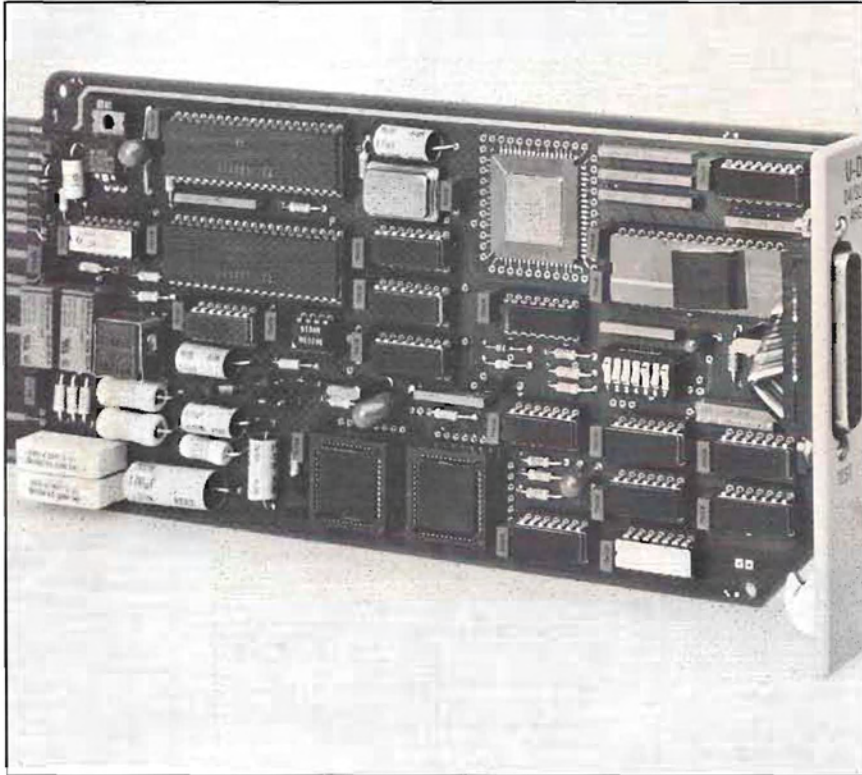


BRITE- Basic Rate Interface Transmission Extension Plug-in Unit



Description

The BRITE plug-in unit provides full 2B + D ISDN Basic Rate Interface (BRI) by using three DS0 time slots of the DS1 signal. The two B channels occupy two 64 kb/s time slots and the D channel resides in a third 64 kb/s time slot. It is designed to operate in D4 Channel Banks and SLC[®] 96 Carrier Systems (Mode I and III) with no common unit changes or back plane modifications required in either system.

Because of the BRITE plug-in unit's innovative design, no modification of existing digital facilities are required to provide 64 kb/s clear channel services since the features are provided on a channel unit to channel unit basis. The interface at the line side of the channel unit is a "U" interface using AMI line code and is fully compatible with the 5ESS switch and AT&T NT1 devices. In addition to the current ISDN maintenance under the control of the 5ESS switch, the BRITE plug-in unit will provide for more test access points for manual testing of the channel units.

The Basic Rate Interface Transmission Extension Plug-in Unit (BRITE) allows telephone companies to provide ISDN services to subscribers beyond the direct access capability of the 5ESS[™] switch. And these services can be provided over the existing embedded base of loop and interoffice transmission equipment. Since the BRITE plug-in unit application requires only a plug-in unit change, it eliminates the need for large capital investment.

BRITE - Basic Rate Interface Transmission Extension Plug-in Unit

Benefits

- versatile way to provide ISDN capabilities to remote subscribers
- uses the existing embedded base of loop and interoffice facilities
- no modification of existing digital facilities are required to provide 64 kb/s clear channel services

Features

- provides 2B + D service and occupies three DS0's of the DS1 signal
- provides a "U" interface using AMI line code and is compatible with the 5ESS Switch and NT1 devices
- provides clear channel services on a channel unit to channel unit basis
- occupies one physical slot on the D4 Bank and SLC 96 carrier system
- provides current ISDN maintenance under control of the 5ESS Switch
- provides additional test access points for manual testing of the channel unit
- existing D4 bank and SLC 96 system channel units can be used on the same shelf with the BRITE plug-in unit

Availability

General availability of the BRITE plug-in unit is scheduled for the first quarter of 1988.

For additional information, please contact an AT&T Sales Representative serving your company.

This document is for planning purposes only and is not intended to modify or supplement any AT&T specifications or warranties relating to this product.

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