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## SLC<sup>®</sup> Series 5 Carrier System

### AUB101 Flash Memory Unit — 5SCI200

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This data sheet describes the AUB101 flash memory unit (FMU) (COMCODE 106434574) and is intended for the end-user of the unit. The AUB101 FMU is a double height unit used in the SLC<sup>®</sup> Series 5 Carrier System Feature Package 1 (FPI) remote terminal (RT) to store software loads for the AUA161 line interface unit (LIU). The AUB101 FMU resides in the rightmost slot of the white bank.

Figure 1 is a functional block diagram of the AUB101 FMU, and Figure 2 shows the faceplate.

The AUB101 FMU serves the A LIUs in both the blue and white banks of a dual channel bank. The AUB101 FMU has 1 megabyte of nonvolatile flash memory — sufficient to store two complete software loads. Each load may be independently updated either using a dialed connection to a modem located on the FMU, or by a direct connection to an EIA-232 interface. Software generics are loaded from an off-line personal computer (PC) running the GTE\* DTFIO software package. The modem supports International Telegraph and Telephone Consultative Committee (CCITT) V.22 bis (2400 b/s), V.22 (1200 b/s), and Bell 212A (1200 b/s) standards.

When the circuit pack is installed, a cable is connected between the TR (RJ-11) connector on the AUB101 FMU faceplate and a dedicated channel unit in one bank of the dual channel bank.

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\* Registered trademark of the GTE Corporation.

To download using the modem, the DTFIO PC calls the FMU and exchanges a password to validate the calling party. The FMU then makes a call back to the DTFIO. The DTFIO user can then transfer the appropriate software load to the FMU.

To download by a direct connection, a load is transferred from a local terminal using the EIA-232 interface connector on the faceplate. This interface operates at 9600 b/s and has connector pin assignments that follow the EIA-574 standard. Both the FMU and local terminal operate in the data terminal equipment (DTE) mode. When an LIU requires a load, it sends a request message over an inter-LIU data link to the FMU which responds by downloading the appropriate software. The data link runs at 375 kb/s.

Two test pins, -RST and -TEST, are provided on the card for factory test purposes. These force the circuit pack to perform self-test diagnostics, which include erasing and writing to the flash memory. Normal powerup diagnostics do not erase and write the flash memory — this is to not deplete the limited number of erase/write cycles and to protect the software stored on the FMU.

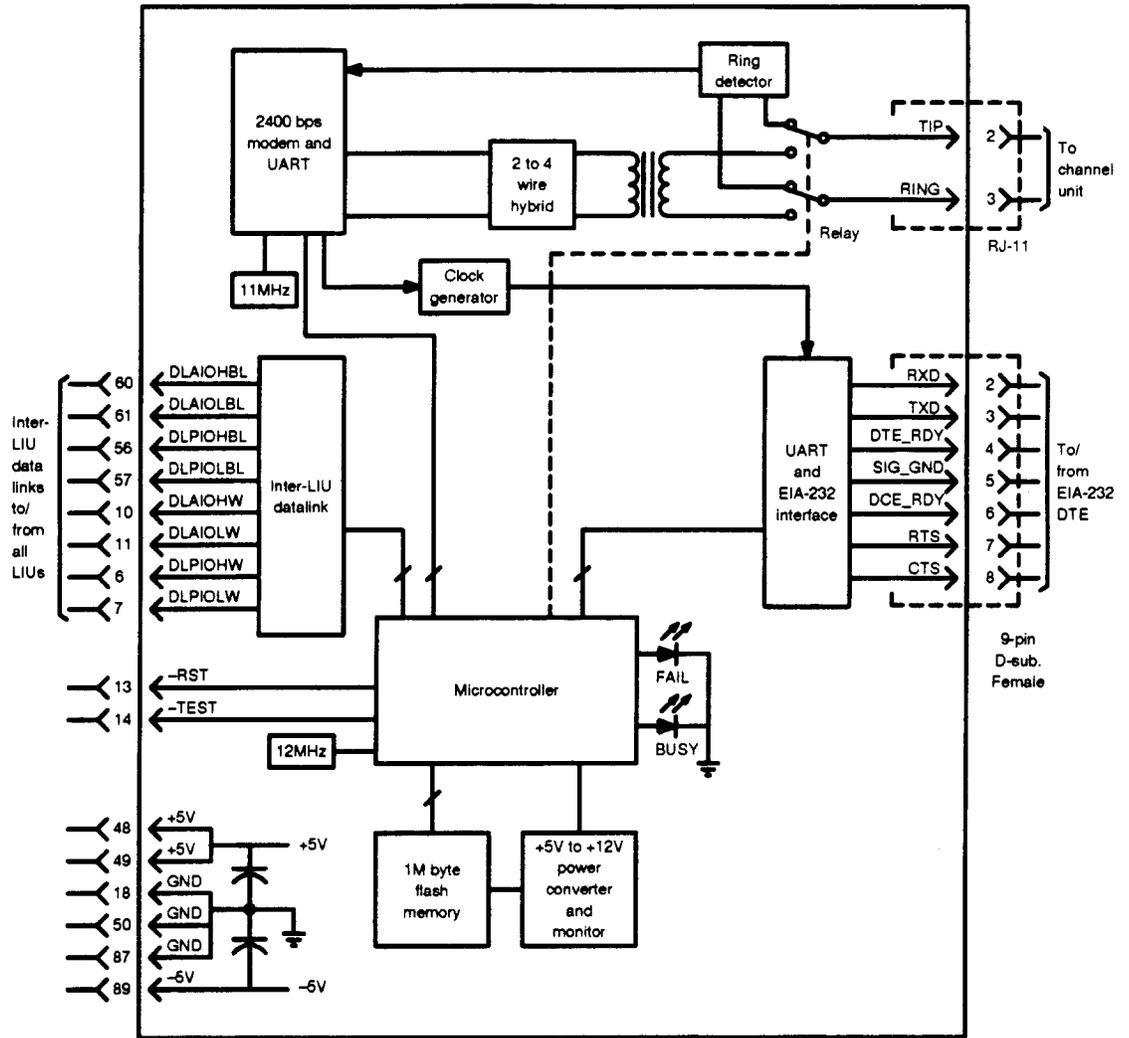
The following LED indicators, EIA-232 interface connector, and RJ-11 jack are located on the faceplate of the FMU.

**FAIL** (Red LED) — When lighted, this faceplate-mounted LED indicates that a failure has been located on this FMU.

**BUSY** (Yellow LED) — When lighted, this faceplate-mounted LED indicates an off-hook condition. When flashing, this LED indicates the FMU is uploading a software generic to an AUA161 LIU.

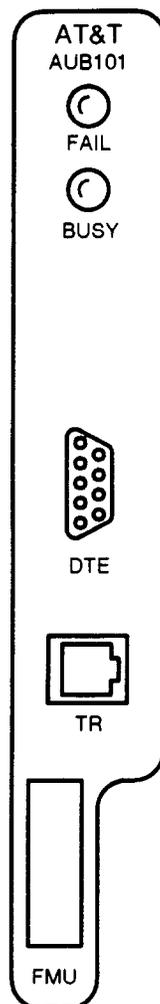
**DTE** (EIA-232 interface connector) — This faceplate-mounted EIA-232 interface connector provides the interface to transfer a software load from a local terminal.

**TR** (RJ-11 connector) — This faceplate-mounted jack provides connection to the tip (T) and ring (R) of the internal modem of the FMU for remote connection.



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Figure 1. AUB101 FMU Block Diagram



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**Figure 2. AUB101 FMU Faceplate**

Follow local procedures for obtaining technical assistance. AT&T also provides in-hours or emergency out-of-hours help for the SLC Series 5 Carrier System. Call the AT&T Regional Technical Assistance Center at 1-800-225-RTAC.

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