Expander Processor (T8310)
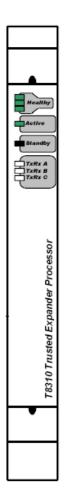
The expander processor module, shown in Figure 6-3, resides in the two leftmost processor slots of the expander chassis and provides the interface between the expander and controller chassis. The module is fault tolerant with HIFT TMR architecture. Comprehensive diagnostics, monitoring and testing provide rapid fault identification. A standby module configuration is supported, allowing automatic and manual repair strategies.

The expander processor modules are connected to the expander interface modules by the expander interface hot link cable TC-301 via the expander interface adaptor unit T8312. The data transfer rate is 250Mbps.

The expander processor module derives its internal voltages from dual redundant +24V dc power supplied via the module connector from the expander chassis backplane.

The expander processor module status LED states and their meanings are:

LED	Indication
Healthy	Three LEDs, one for each of the three slices, indicating the overall health of each slice. Steady green - a healthy slice. Flashing red - a fault in the corresponding slice.
Active	Green when the module is in the Active mode.
Standby	Steady green when the module is in the Standby mode.

TxRx	Three LEDs, one for each of the three channels, indicating the communications activity on each processor channel.
	When the module is active:
	  Green - Receive activity
	  Red - Transmit activity (the LED will appear amber when both receive and transmit activities are occurring)
	  Off - no activity or failed
	When the module is in standby, no Transmit activity (red LED) will be observed.

Table 6-1: Expander Processor Module LED Indications

Figure 6-3: Expander Processor