

## 2.2.9 E1 service unit SELI8

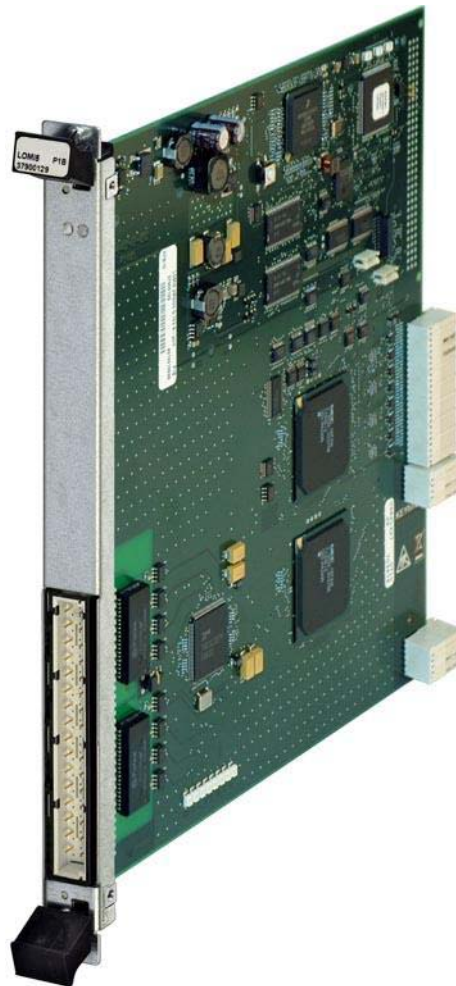


Figure 36: SELI8 unit view

The SELI8 is a 1-slot wide E1 (2048 kbit/s) service unit of the XMC20. It provides 8 E1 (2048 kbit/s) ports according to ITU-T G.703 / G.704. The unit can be operated in actively and passively cooled XMC20 sub racks.

The SELI8 is connected to other TDM units as e.g. SDSL8 or SUPM1 via the backplane of the XMC20 giving access to TDM based services.

It supports TDM voice and data services.

The SELI8 unit provides the following functions:

- 8 E1 ports (8 x 2048 kbit/s according to ITU-T G.703).
- 120  $\Omega$  symmetrical and 75  $\Omega$  asymmetrical line impedances.
- Frame alignment and multiframe alignment according to ITU-T G.704.
- Transparent handling of 2048 kbit/s signals or termination of n x 64 kbit/s frame structure.
- Access to the TDM bus in the XMC20 and cross connection for PDH P12 and P0 signals.
- Diagnostic loop activation: Loop 1, 1A and 2.
- Performance monitoring according to ITU-T G.826.

The SELI8 has two LEDs for unit- and traffic related failure indication.