

TMS-3000 Main Shelf with ESCC Common Card

System Overview

The TMS-3000 system transports today's vital multi-media communications over a single, private homogeneous network. This unparalleled security and flexibility allows network planners to provision the constantly evolving private and public data and voice services to nodal and remote sites anywhere in the network.

Modular Scalable Design

The TMS-3000 system employs a modular hardware design, requiring only one (optionally redundant) common logic module and one redundancy control module. The TMS network may consist of a single TMS-3000 node with only one installed module, or hundreds of nodes with many thousands of installed modules. As network requirements grow and change, TMS-3000 modules may be added at any time without disruption to the production network.

The TMS 3000 system makes maximum use of a "Universal" module approach to reduce the need for on-site spares, and to allow maximum flexibility. This provides a significant level of efficiency for support of data applications due to the wide range of configuration possibilities afforded by one card. The least number of channel cards are required to provide for total transparent data and voice support.

TMS Main Shelf Assembly

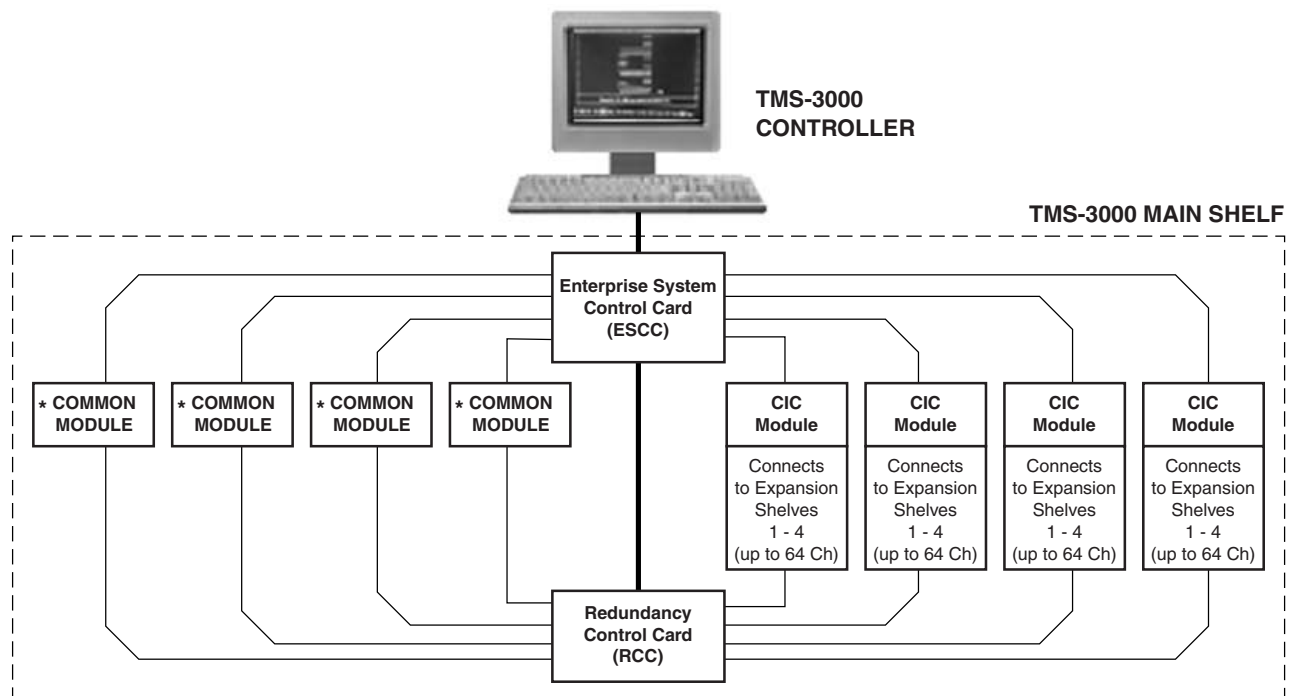
The Main Shelf houses all common logic cards, the power shelf assembly, and rear panel connections to the expansion shelves.

TMS-3000 Main Shelf modules include:

- Power Supplies (up to four)
- Combined Digital Aggregate (CDA)
- ADPCM Compression Module (ACM)
- Aggregate Control Card (ACC or ACC-Plus)
- Channel Interface Card (CIC)
- Enterprise System Control Card (ESCC or ESCC-Plus)
- Redundant Control Card (RCC)

Enterprise System Control (ESCC)

The ESCC module monitors and controls the activities of all the other cards and modules in that shelf. The ESCC stores configuration information for the local TMS-3000 node and provides permanent storage of software programs for all of the common logic cards in the TMS*OCM system. It also communicates with a local controller, with other ESCCs in the TMS-3000 network. The ESCC controls downloads, clocking and redundancy of common cards.



* Common Modules in the TMS-3000 Main Shelf can be ACM, ACC, CDA, or CIC modules

Figure 1. TMS-3000 Logical Components

TMS-3000 Main Shelf

Data Sheet

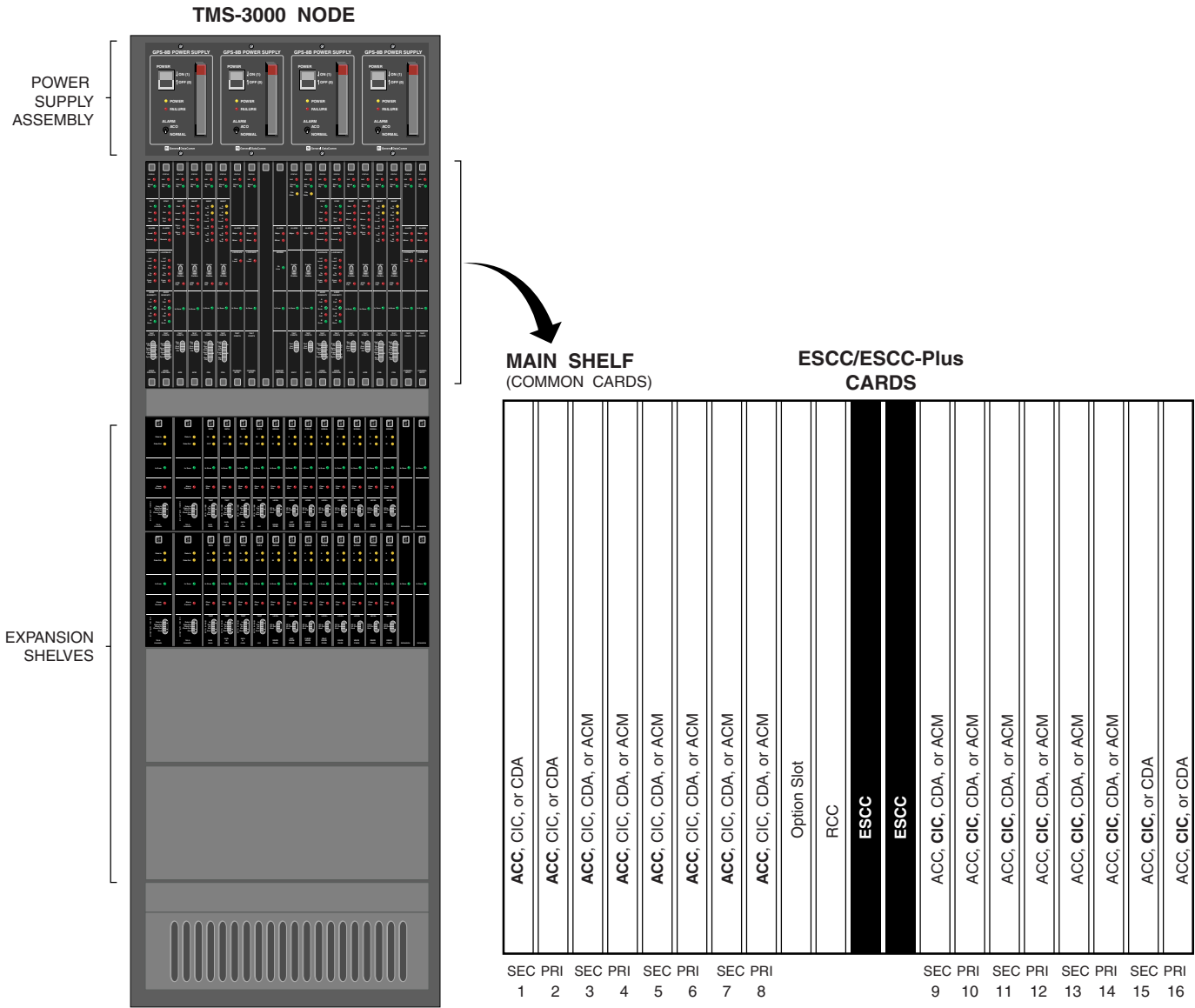


Figure 3: TMS-3000 Node with Main Shelf Common Cards

Figure 3 shows the layout of a TMS node and illustrates the proper location of ESCC/ESCC-Plus modules and other common logic cards in the Main Shelf.

Shelf Type	Shelf P/N	ESCC Type	ESCC P/N
TMS-3000 Main Shelf, Redundant	036M356-012	ESCC-II (classic)	036M337-001
		ESCC-Plus	036M337-011