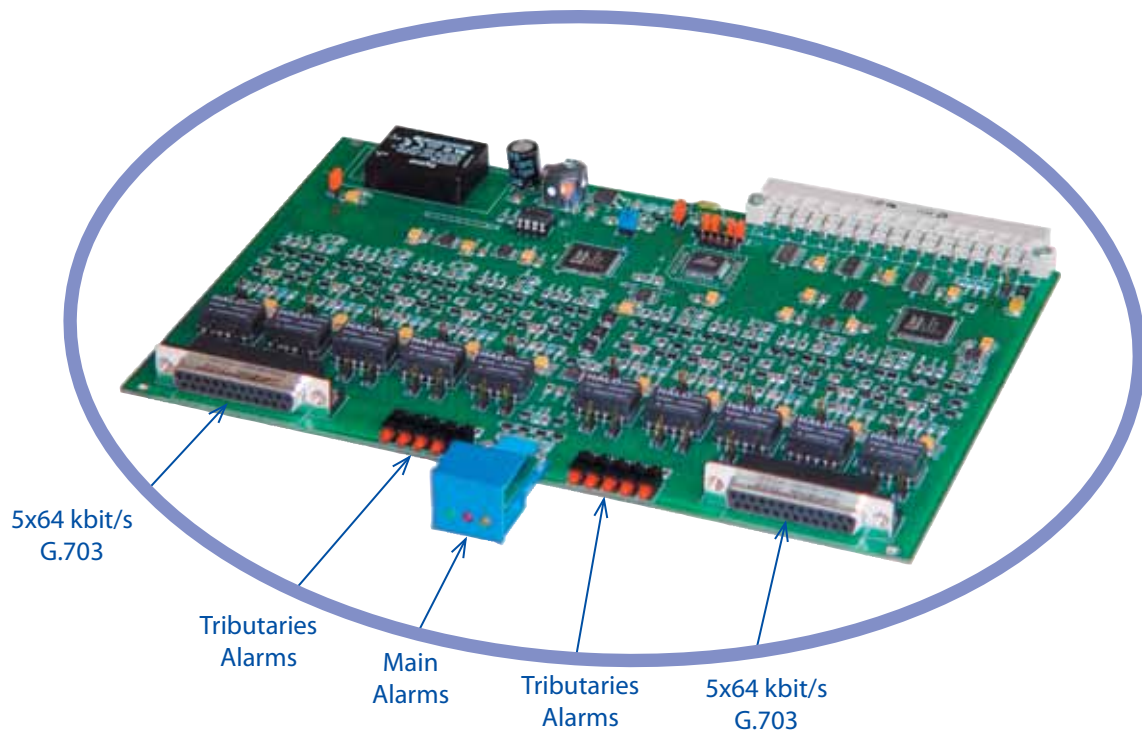# PCO

10 digital G.703 64 kbit/s codirectional interfaces

■ **Provides connection for 10 independent subscribers with G.703 64 kbit/s codirectional interfaces via multiplexers FM2x2 and FM-MSAN**

5x64 kbit/s G.703

Tributaries Alarms

Main Alarms

Tributaries Alarms

5x64 kbit/s G.703

IRITEL
bright connections

Applications

PCO unit, as a tributary unit within multiplexers FM2x2 and FM-MSAN provides connection between remote customers having equipment based on ITU-T G.703 64 kbit/s codirectional interface though TDM based telecommunication network. Each interface is absolutely transparent regarding the protocol that gives particular service to the customer.

Basic characteristics

- 10 independent 64 kbit/s G.703 codirectional interfaces accessible from rear side
- Each channel could be programmed to occupy any time slot into any external E1 link
- Octet framing programming capability for each channel
- Power saving mode for the unused interfaces
- Each channel can be programmed to be synchronization source for multiplexers FM2x2 and FM-MSAN

Control and monitoring

PCO unit within multiplexers FM2x2 and FM-MSAN is controlled by PC software SUNCE-M (Network Manager):

- PCO unit configuration:
    - Interface activation and deactivation
    - Time slot allocation

- Framing type definition
- Alarm monitoring
- Synchronization
- Centralized alarm monitoring and acquisition functions

TECHNICAL DATA

G.703 64kbit/s codirectional

Transmission	full duplex
Transmission medium	2 pairs
Line speed	256 kbit/s±100 pmm
Framing	unframed
	octet framing

Input

Impedance	120 Ω
Loss at 128 kHz	0 do 3 dB
Return loss:	
4 to 13 kHz	≥12 dB
13 to 256 kHz	≥18 dB
256 to 384 kHz	≥14 dB

Output

Impedance	120 Ω
Impulse level	1 V ±0,1 V
Impulse width	single 3900 ns
	double 7800 ns
Impulse shape	according to ITU-T G.703
	single 5a/G.703
	double 5b/G.703
Section length	800m or better
	With 24AWG twisted pairs
Connector	25-pin, D-type, female
	jointly for 5 interfaces