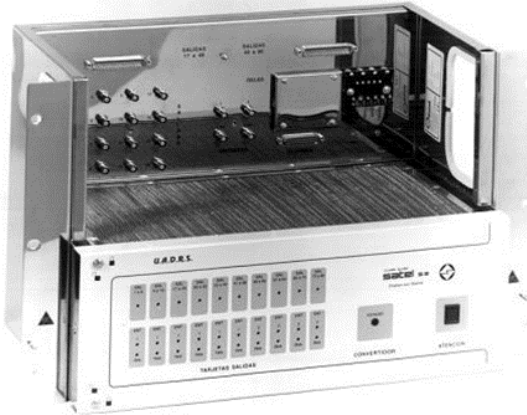




GNCD Synchronization Distribution Unit (SDU)

PRODUCT OVERVIEW



The GNCD—GILLAM Network Clock Distributor—is an ultra low cost Synchronization Distribution Unit (SDU) designed to :

- Ensure reliable & low cost clock distribution functions in the access network
- Ensure clock delivery for exchanges needing large quantities of signals at the lowest cost
- Upgrade SSU or PRC distribution capabilities for main exchanges

This unit is part of a cost effective solution for the Telecom operators and helps them to build a reliable network.

WHICH SOLUTION?

- Best Price-Performance ratio solution, minimum total cost of ownership
- Fully integrated turnkey synchronization solution
- Simple and Easy-to-Use equipment
- Modular, Flexible and Open platform to future features
- Suitable for SDH, DWDM, PDH, ATM, Mobile Digital Communication networks
- Exceeds international ITU-T & ETSI standards
- Hot swappable cards without service disruption
- Single or dual (1+1 redundant) power supply
- Low maintenance cost & High reliability equipment



REFERENCE INPUTS

- Up to 2 1+1 protected input references
- 2048 kbit/s E1, 2048 kHz (G.703/9 & G.704, G.703/13)
- Automatic reference type detection
- 75, 120 Ohms and high impedance for timing extraction
- Running modes: normal, priority, inhibited, forced modes
- Alarms management
- Unit & Alarms smart Firmware embedded

REFERENCE OUTPUTS

- Up to 80 user configurable outputs per GNCD
- 2048 kbit/s E1 or 2048 kHz (G.703/9 & G.704, G.703/13)
- Alarm management
- Unit & Alarms smart Firmware embedded

LOCAL & REMOTE MANAGEMENT

- Friendly Status visual indicators through GNCD Synoptic panel
- Alarm relays contacts : major and minor alarms
- Protected monitoring & control test points
- Local alarms acknowledgement
- Remote WAN (TCP/IP) integration in LYNX RSNM (option)