

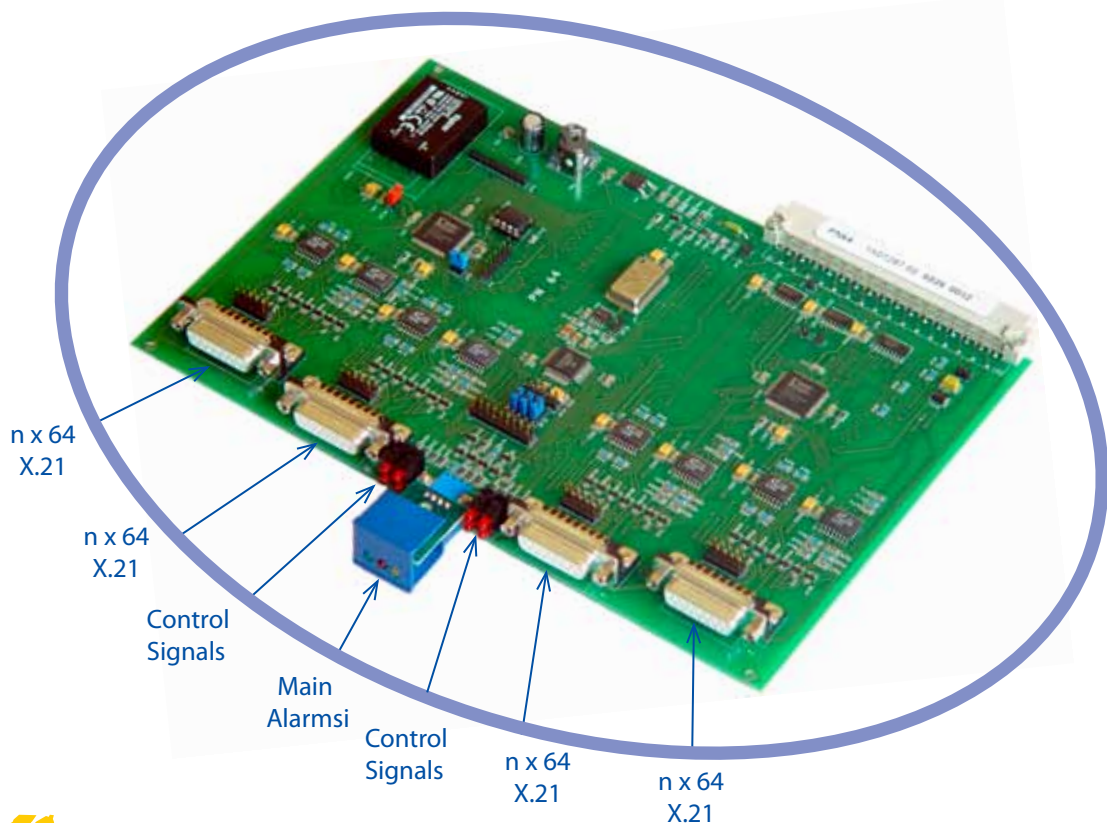


PN64

4 digital interfaces of X.21/V.11 type, n x 64 kbit/s

- Provides connection of terminal equipment (DTE) with n x 64kbit/s X.21/V.11 interface to telecommunication network via multiplexers FM2x2 and FM-MSAN (DCE)
- Independent selection of number (1 to 31) of 64 kbit/s channels for each interface

Access Systems



IRITEL
*bright
connections*

TELECOMMUNICATIONS AND ELECTRONICS

<http://www.iritel.com>

e-mail: info@iritel.com

Applications

PN64 unit, as tributary unit within multiplexers FM2x2, and FM-MSAN, provides network access to customer equipment based on X.21 interface. Bit rate n x 64 kbit/s on X.21 interface is programmable and not dependant on protocol type used for providing service to customer.

Basic functions

- 4 n x 64kbit/s X.21 interfaces on one board
- Programmable position in multiplex for each n x 64 kbit/s channel, independent
- Number of 64 kbit/s channels, n per interface can be 1, 2,..., 31
- Independent selection of X.21 interface type: codirectional or contradirectional
- Byte Timing signal (B) is available for contradirectional interface type
- Selectable Byte Timing signal type: time slot (byte) or PCM frame of FM2x2 and FM-MSAN
- Codirectional interface type can be referent clock source for multiplexers FM2x2 and FM-MSAN
- Asymmetric capacity is possible for codirectional interface type
- Unused interfaces can be switched off for power saving
- States of near (DCE) and far (DTE) end are displayed by front LEDs

Control and monitoring

PN64 unit within multiplexers FM2x2 and FM-MSAN is controlled by PC software SUNCE-M (Network Manager):

- PN64 unit configuration:
 - activation/deactivation of interfaces
 - time slot assigning
 - contradirectional/codirectional selection
 - referent clock selection
- Alarm monitoring

TECHNICAL DATA

| | |
|---|----------------------------|
| X.21 interface | ITU-T X.27, V.11 compliant |
| Transport | duplex |
| Transport medium | 6 twisted-pairs |
| Connector | 15-pin SUBD, female |
| No. of 64kbit/s intervals per interface | 1 to 31 |
| Line rate | n x 64 kbit/s |
| Maximum line length | |
| up to 128 kbit/s | 1300 m |
| up to 2048 kbit/s | 60 m |
| Copper-pair termination | |
| Transmit (R, S, B and I signals) | 120 Ω |
| Receive (T, X, C signals) | 120 Ω |

