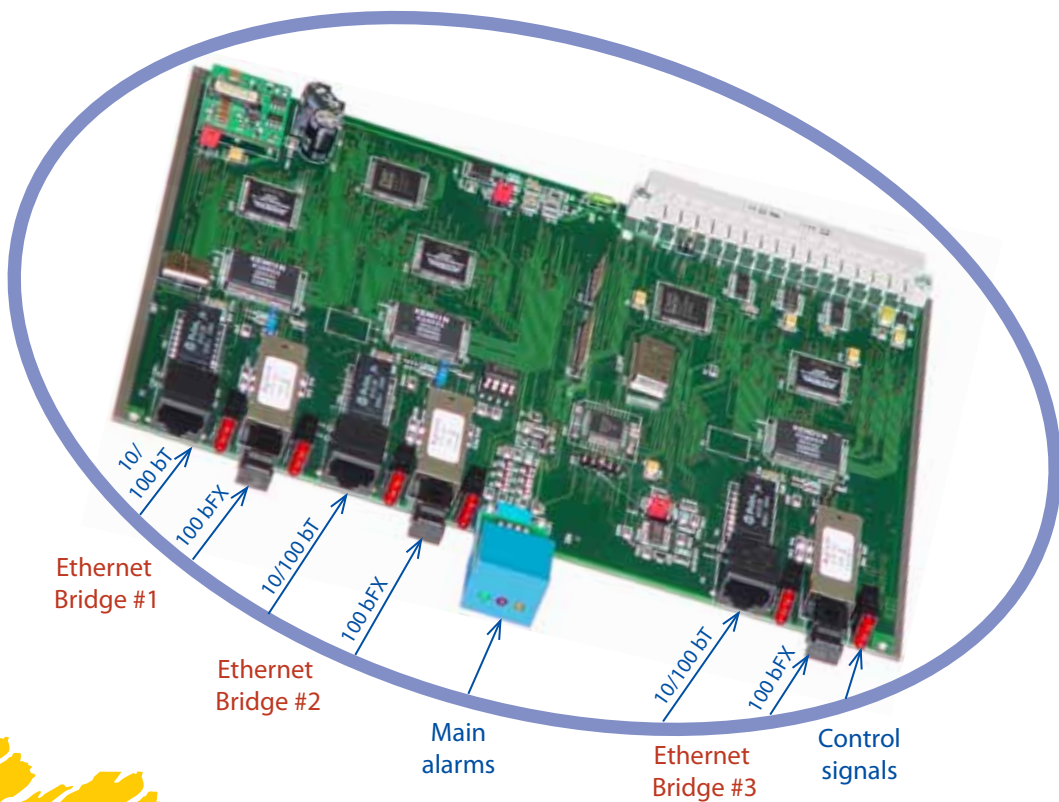# PET

## 3 digital nx64 kbit/s Ethernet Bridge subscribers with 10/100BaseT or 100BaseFX interface

- **Provides connection of remote LAN network with Ethernet 10/100Base-TX or 100Base-FX interface via telecommunication network with n x 64 kbit/s data rate**

- **Programming the number (1 do 31) of 64 kbit/s channels for any of 3 digital subscribers**



10/100 bT

100 bFX

Ethernet Bridge #1

10/100 bT

100 bFX

Ethernet Bridge #2

Main alarms

10/100 bT

100 bFX

Ethernet Bridge #3

Control signals

IRITEL
bright connections

# PET n x 64 kbit/s Ethernet Bridge subscriber unit

## Applications

PET unit, as tributary unit within multiplexers, is used when subscriber want to connect devices with Etherent 10/100 Base-T or 10/100 Base FX interfaces through the transport telecommunication network. Any of 3 ports realize the Switch function on level 2 (MAC level). PET unit can be programmed at nx64 kbit/s rate on Ethernet Bridge interface to the transport network.

## Basic functions

- 3 independent Ethernet Switches on one unit, 10/100 Base T/100 Base FX interface and one internal WAN interface for nx64 kbit/s Ethernet Brigde function

- Electrical Ethernet interfaces (10/100 BaseT) support auto negotiation procedure which determine the type of interface (10 or 100 Mbit/s, full or half duplex)

- All three Ethernet Switches can be configured for VLAN

- Support for QoS priority choice according to the port or IEE802.1p

- LED diodes for links activity, full/half duplex transmission and data rate

- Integrated control and monitoring

- When autonegotation is switched off it is possible to programme all three 10/100 BaseT ports independently

- Flow control for full duplex transmission according to IEE802.3x or back pressure flow control for half duplex transmission

- Automatic address learning for MAC frame switching

## TECHNICAL DATA

### Ethernet 10/100 BaseT

| | |
|---|---|
| Transport type | duplex |
| Electrical characteristics | IEEE 802.3 |
| Transmission | symmetrical |
| Section length (UTP cable class 5) | 135 m |
| Connector | RJ45 |

### Ethernet 100 BaseFX
SFP plug-in module

| | |
|---|---|
| Transport type | duplex |
| Optical characteristics | IEEE 802.3 |
| Transmission | singlemode optical fibre |
| Section length | 2000 m |
| Connector | SC |