



General Description.

The 625-531 QUAD TDM-bus Receiver/Transmitter card handles four TDM-buses In and four TDM-buses Out and is part of the 32-bit 625 TDM Switching system.

It fits into the 625-100D card frame as well as in the 625-800 card frames and is controlled by the Control card 625-150.

The QUAD TDM-bus card is receiving and sending audio signals between other NTP 625 card frames and distribution the signals onto the internal TDM-bus inside each card frame. The transmission speed on each TDM-bus between card frames is 200Mb/s corresponding to 128 audio channels. The connection between card frames is for longer distance done via optical fibre.

Specifications:

Input 1 to 4

Electrical Receiver

ECL-like data receiver Floating earth free
Isolation 2000 Vrms
Input voltage range 100 mV to 1200 mV
Data format 8B / 10B coded
Data rate 261.12 Mb/s
Input Impedance 150Ω ±10%
Cable type CAT 5 UTP

Electrical Transmitter for feed-through

ECL-loke data receiver Floating earth free
Output Voltage 0,6V peak in 50Ω load

Connector type

TDM-bus data 25 Pole mail, DIN 41494

Output 1 to 4

Electrical

TDM-bus connection ECL-like, earth free
DC output $\leq \pm 0,1V$
AC output 0,3 to 0,6 Vpeak, terminated.
 t_r, t_f (20 – 80%) 0,5 – 2nS
Jitter < 1nS

Electrical Transmitter

Output ECL-like isolated earth free 250MHz
Output Voltage 0,6 Vpeak in 50Ω load

Connector type

Input/Output connector 25 pole male, sub-D
DIN 41 494