



KTG – TDM over IP INTERFACE CONVERTOR SERIES

- Performs TDM circuit emulation over enterprise or carrier packet-switched 1G Ethernet L2/L3 networks for different types of user interfaces
- At the Ethernet line side supports one 10/100 BaseTx, one 100 BaseFx, two 1000 BaseT and one 1000 BaseX Ethernet interfaces
- Multiprotocol encapsulation supporting IPv4, IPv6, UDP, RTP, L2TPv3, MPLS and Metro Ethernet.
- Compliant with IETF, ITU-T, MFA Forum and Metro Ethernet Forum Technical Specifications
- Recovered clock jitter and wander compliant to ITU-T G.823, G.824. Supports adaptive clock recovery, differential clock (common clock) (using RTP)
- ToS support for IP level priority, VLAN 802.1p and 802.1Q support for MAC level priority
- Lost/misordered packet compensation
- Embedded Web Server and SNMP Agent
- Optional AES 128/192/256 Encryption of TDM Stream



IRITEL
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connections*

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Applications

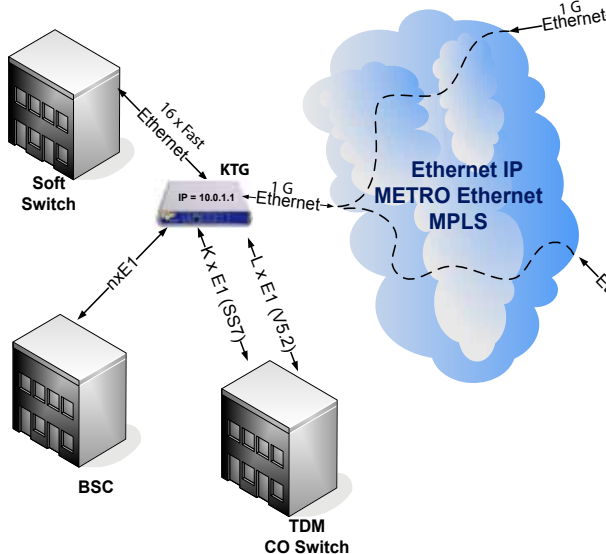
KTG devices performs TDM circuit emulation over packet switched network thus enabling transparent TDM services over enterprise or carrier Ethernet network.

Besides TDM traffic transmission over IP based networks KTG provides many value-added functions in order to meet different customers needs including different network management capabilities, traffic protection, synchronization etc.

- In carrier network KTG typically finds applications for:
 - TDM services over Ethernet MAN, broadband wireless, CATV
 - 2G / 2.5G cellular backhaul over IP/MPLS
- In enterprise applications KTG is suitable to be used for:
 - Private line/toll bypass via Ethernet MAN
 - TDM PBX migration to Ethernet MAN
- In access networks KTG typically finds application as Multi Tenant Multi Dwelling Unit MTU/MDU

Basic functions

- Broad range of, framed or unframed, PDH tributary interfaces
- One electrical Fast Ethernet 10/100 BaseTx and one optical Fast Ethernet 100 BaseFx interfaces, two 1G electrical and one 1G optical Ethernet interfaces
- Compliant with:
 - IETF PWE3 Internet drafts for SAToP, TDMoIP, CESoP-SN, HDLC
 - ITU-T Recommendations Y.1413 and Y.1414 (clause 10) Y.1453, Y.1452.



- MFA Forum Implementation Agreements 4.1, 5.1 and 8.0.0
- Metro Ethernet Forum Technical Specification MEF8
- Supports adaptive clock recovery, differential clock (common clock) (using RTP)
- Embedded Web Server and SNMP Agent

Ordering codes

KTG-I-P-S

I - interface:

- X - X21/V.11 codirectional or contradirectional n x 64 kbit/s over IP
- V - V.35
- N - NRZ, NATO, 75 Ω, n x 64 kbit/s over IP
- E1 - E1 over IP
- 2E1 - 2 x E1 over IP
- 4E1 - 4 x E1 over IP
- E3 - E3 over IP

P - power option:

- D - 48 Vdc desktop unit
- N - 220 Vac with external AC/DC adapter
- R - card - rack version

S - encryption option:

- - no encryption
- S - with encryption

