

KTG-X



TDM over IP & Ethernet switch

- TDMoIP: up to 8 E1/T1 interfaces
- Ethernet switch (L2):
 - 6 x 100/1000 Base-TX electrical Ethernet interfaces
 - 2 x 100 or 1000 Base-FX optical Ethernet interfaces
- Multiprotocol encapsulation supporting IPv4, IPv6, UDP, RTP, L2TPv3, MPLS and Metro Ethernet
- Compliant with IETF PWE3 Internet drafts for SAToP, CESoPSN, TDMoIP AAL1, HDLC, unframed, framed, with CAS frame (PCM frame and multi-frame)
- Recovered clock jitter and wander compliant with ITU-T G.823, G.824 and G.8261
- 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
- Adding and extracting traffic on 100/1000 Mbit/s TX/FX interfaces
- Integrated Ethernet switch makes it modular device
- Power : 48VDC or optional 220VAC/48VDC (automatic switching)
- Management :
 - Embedded Web Server and SNMP Agent
 - EMS/NMS software SUNCE-O



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KTG-X TDM over IP & Ethernet switch

Application

KTG-X is device for aggregation, integration and transmission packet (FE, GbE) and TDM (E1) traffic over IP/MPLS or OTN/DWDM network

- Transparent transmission of E1 links over IP/MPLS or OTN/DWDM network
- Transparent transmission of synchronization for base stations (E1, PTP1588)
- Transparent transmission of HDLC, GPON/EPON, CATV traffic

Basic Functions

- TDMoIP converter up to eight E1/T1 interfaces
- Ethernet switch (L2) with six 100/1000 Base-TX electrical Ethernet interfaces and two 100 or 1000 Base-FX optical Ethernet interfaces
 - 1 Uplink Ethernet 100/1000 Base-TX
 - 1 Add/Drop Uplink Ethernet 100/1000 Base-TX
 - 3 general purpose Ethernet 100/1000 Base-TX interfaces
 - 1 management (MNG) Ethernet 100/1000 Base-TX
 - 1 Uplink Ethernet 100/1000 Base-FX
 - 1 Add/Drop Uplink Ethernet 100/1000 Base-FX

- 1 local management RS232 interface (with RJ45 connector)
- Power consumption P = 10W

Ordering codes

KTG-X -48VDC
 KTG-X-AC -48VDC/220VAC (automatic switching)

X - model:

4 - 4 x E1 over IP
 8 - 8 x E1 over IP

