Team Engineers
Solutions in Connectivity
An ISO 9001 : 2008 Company

TEAMLINK3101EE

Managed Fast Ethernet over E1/T1 Converters

VLAN stacking transports user traffic transparently, keeping the user LAN settings intact. In addition, the management traffic may be tagged with a different VLAN, fully separating user traffic from management data. Port based and tag based.

When a TDM link failure is detected Teamlink-3101EE shut down the user port.

MANAGEMENT

SNMP-based element management software provides SNMP traps, status polling, and configuration.Remote element management is available in Teamview through SNMP in-band, or by Telnet.

The devices are managed in-band or out of band from the Fast Ethernet user port or via the TDM port. Management traffic and user Ethernet traffic are transported together on the same Ethernet flow, separated by different VLANs, thus ensuring traffic security based on port based or tag based VLAN.

DIAGNOSTICS

- Remote and local loopbacks are used for problem isolation at the physical layer.
- A built in 511 test pattern generation and checking for the E1 circuits.
- Ping utility checks the health condition of the local and remote units.

FEATURES

- Connect Fast Ethernet LANs over E1 circuits
- Inband and out-of-band management access via :
  - ASCII terminal
  - Telnet
  - SNMP
  - Teamview-EMS
- Wire-speed packet forwarding
- 4-levels of QoS, based on four VLAN priority queues as per 802.1p
- Ethernet Frame size setting
- VLAN Tagging and Un Tagging.
- MAC table Display
- Ethernet framesize settings
- Ethernet transmit,Receive,collision and error packets display
- Ethernet Rate controle.
- Special tag for the management traffic that will transmit in the same traffic to ensure the inband management functions.

DISCRIPTION

- Teamlink-3101EE is intelligent converter connecting Fast Ethernet LANs over E1 circuits. They enable service providers and ISPs to supply transparent Ethernet services, without interfering with user traffic.
- Teamlink-3101EE have one E1 port and one 10/100 BaseTx port and 100Mbps FX port.Packets are forwarded from the Ethernet network to the TDM network at wire speed, fully utilizing the expensive TDM circuit bandwidth.
- The 802.1p priority scheme enables users to define four different QoS levels, according to the application requirements.
- The Fast Ethernet bridge handles frame size settings to 1522,1526,1654,1784 bytes.

Sends Alarm notification to Manager IP addresses for the following.

- E1 : Up / Down
- Ethernet : Up / Down
- Loopback : On / Off
- If the ethernet error packets or collusion packets are reached more than threshold values.

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SPECIFICATIONS

E1 INTERFACE

- **Number of Ports** : One
- **Compliance** : G.703 / G.704
- **Data Rate** : 2.048 Mbps
- **Line Code** : HDB3, AMI
- **Framing :** Unframed / Framed PCM31 / Framed PCM30
- **CRC - CRC4 :** Enable /Disable
- **Line Impedance :** 120O, balanced
- **System Clock :** Internal or loopback timing
- **Diagnostics :** Remote and local loopback
- **Connector :** RJ-45

WAN PROTOCOL

- **Type** : HDLC framing
- **CRC Type** : 16 or 32 bit selection.

ETHERNET INTERFACE

- **Type** : 10/100 Base-TX and 100 Base-FX Mbps
  auto negotiation, full/half duplex, flow control.
- **Compliance** : Conforms to the relevant sections
  of IEEE 802.3 and 802.3u
- **Connector** : RJ-45 and LC type for fiber.
- **PoE:** Power Over Ethernet is an ordering time option

GENERAL

- **Indicators**

PWR	–	Power status
TD	–	TX data status
RD	–	RX data status
E1sync	–	E1 status
AIS	–	AIS status
DLB	–	DLB in progress
RLB	–	RLB in progress
PAT	–	Test pattern on condition
ERR	–	Errors
TX link	–	Copper status
FX link	–	Fiber line status

- **Power**

AC : 100 to 240 VAC (±10%), 50 to 60 Hz
DC : -48 VDC (±10%)

- **Power Consumption** : <2W

- **Environment**

Temperature : 0–50°C/32–122°F
Humidity : Up to 90% non–condensing

- **Physical** - Height :
  Width :
  Depth :
  Weight :

ODERING

- Teamlink 3101EE Managed Fast Ethernet over E1 converter
- Teamlink 3101EE-FX Managed Optical Ethernet over E1 converter
- Teamlink 3101EE-U Managed Fast Ethernet over E1 converter unbalanced
- SUPPLIED ACCESSORIES
- AC/DC power cord or adapter plug
- Interface adapter for converting a balanced E1 RJ - 45 connector to a pair of BNC unbalanced coaxial connectors supplied when ordering E1 unbalanced option
- FX port is Ordering time Optional.
- 3101 - One Ethernet E1 Converter
- 3201 - Two Ethernet E1 Converter
- 3401 - Four Ethernet E1 Converter

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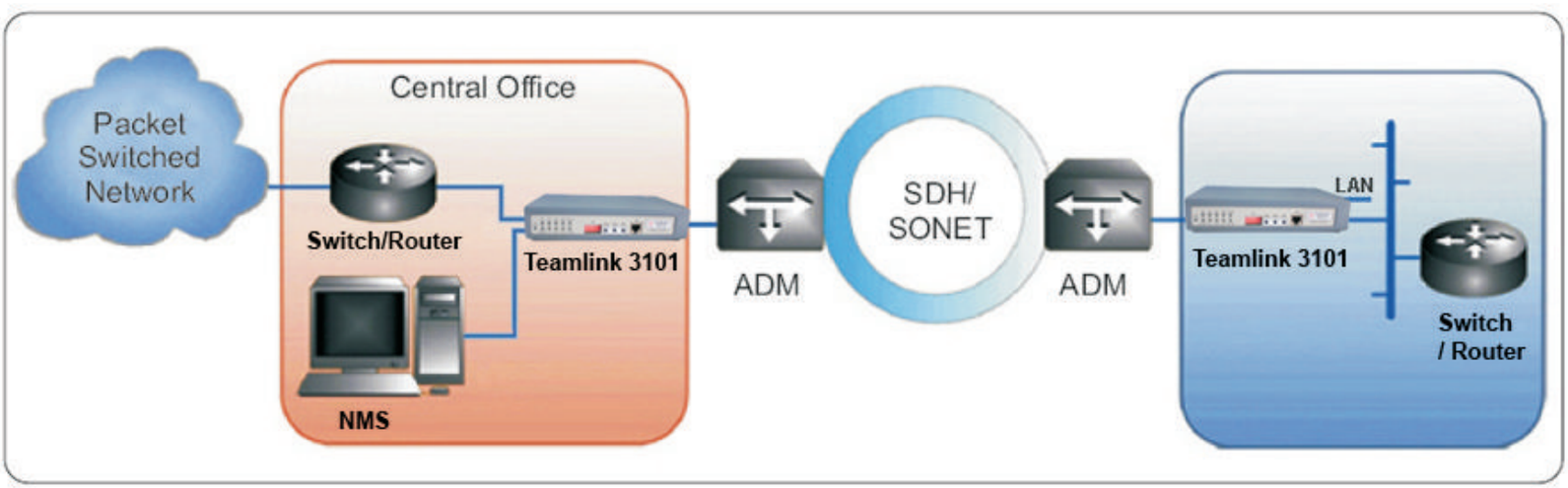
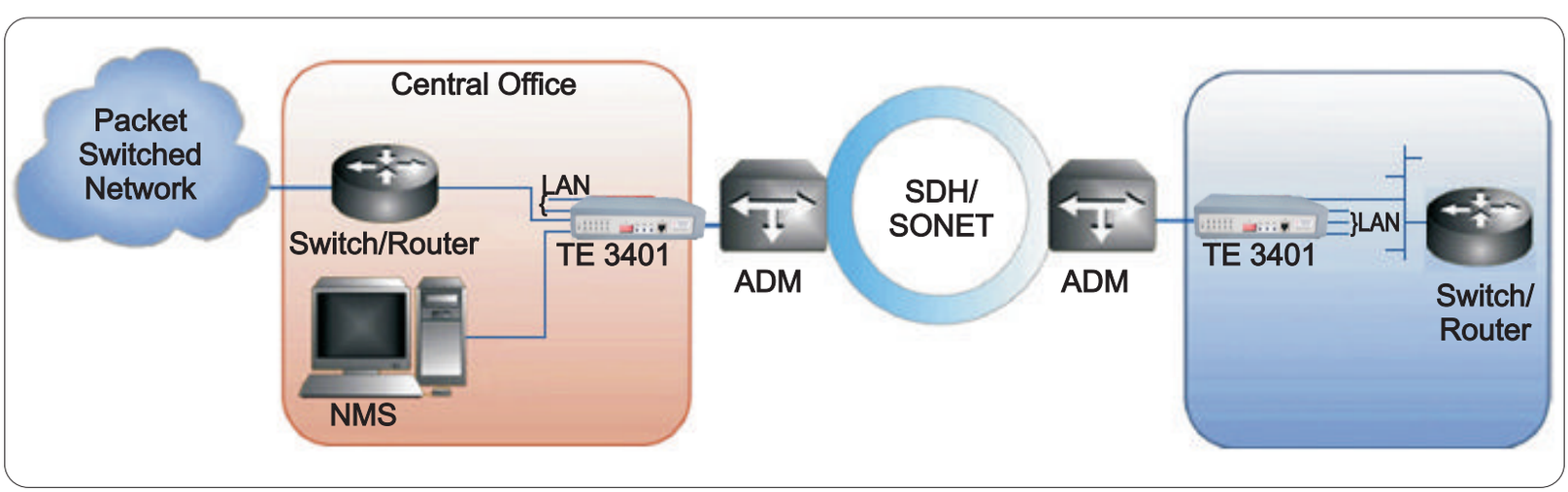
Application Diagrams





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