IP6100 DS3 to Ethernet Converter

DESCRIPTION

The IP-6100 High Speed Ethernet Interface Unit provides connectivity from high speed 100 BaseT full duplex Ethernet to either DS3 or E3 networks. A small, economical, reliable way to transport 100BaseT Ethernet traffic via DS3 or E3 networks.

It functions as a simple data pipe for transporting Ethernet from one location to another over DS3 or E3. The IP-6100 is transparent, including VLAN transparency.

The IP-6100 can be deployed over phone company facilities, or over private wireless or private fiber optic networks. The common requirement is a DS3 or an E3 connection to the network.

The IP-6600 is straight-forward, easy to configure and maintain. There is nothing to configure, just plug in the Ethernet and the DS-3 link, and optionally the alarm connection. The IP-6600 has the features you want without the complexity.

FEATURES

- 100 Base-T full duplex Ethernet in accordance with IEEE 802.3u via 1 RJ45 port
- Throughput data rate of 42/32 Mbps (DS3/E3)
- Succinct status and diagnostic features using LEDs and built-in self-test algorithm
- Alarm Relay
- Supports VLAN transparency (no VLAN processing)
- Supports MPLS (Multi Protocol Label Switching) transparency
- Supports ISL (ISL inter-link switching) transparency
- Supports Auto Negotiation
- Supports IPX transparency
- Small size - 1.75 x 7.5 x 6.5 in /44.5 x 190.5 x 165 mm (HxWxD)
- Interfaces to standard DS3/E3
- Economical

SPECIFICATIONS

Data (Ethernet) Interface
* Full Duplex IEEE 802.3u
* 100 Base-Tx
* Flow Control IEEE 802.3x (EIU performance is optimized when 8702.3x is used)
* Supports Auto Negotiation (for 100M only)
* Supports IPX
  1 x RJ45 Port

High Speed Interface
* DS3: Bellcore TR-303
* E3: ITU-R G.703
* B3ZS for DS3, HDB3 for E3
* BNC, 75 ohm interface
* The 6100 requires an unframed, non-channelized DS3 link. It will not operate over DS3 links that have any any type of framing such as M13, M23, C-bit, or SYNTRAN.

Indicators
* Power On Status LED
* DS-3 Link Status LED
* Ethernet Traffic Status LED
* Ethernet Link Status LED

Electrical
* Input Voltage +/- 22 to 72 Vdc
* Polarity (DC) Positive or negative ground
* Power Consumption Less than 5 watts
* Protection Circuit 3.15 A Slow-BLow fuse
* 120/240 VAC adapter available

Mechanical
* Width 7.5 In / 190.5 mm
* Height 1.75 in / 44.5 mm (1-U)
* Depth 6.5 in / 165 mm
* Weight 3 lbs / 1.4 Kg

Operating Environment
* Temperature -10 to + 55 C
* Reliability Unit MTBF 15 years
* EMC FCC Part 15 Class 2
* Safety UL 1950
* Operation ETS 300 -19 Class 3.2
* Storage ETS 300 019 Class 1.2
* Transportation ETS 300 -19 Class 2.3

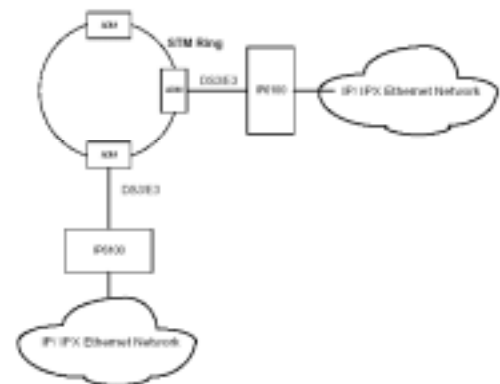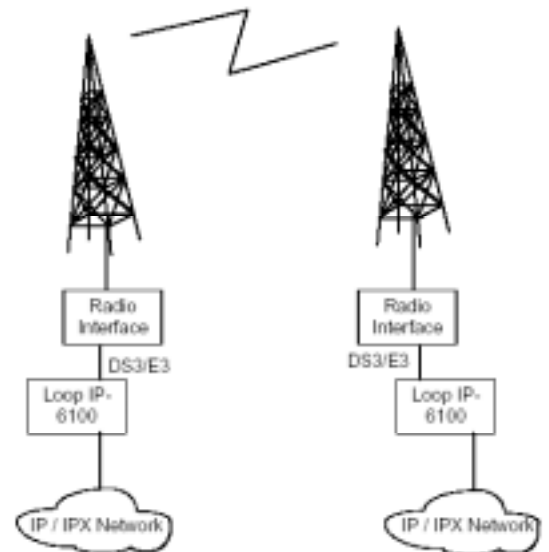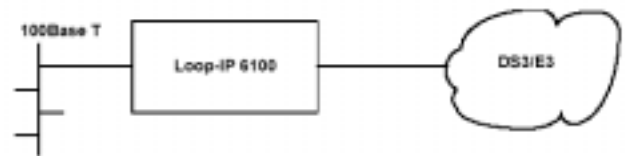**Compliance**
* For DS3 EMC FCC 15 Class A, Safety UL 1950
* For E3 EMC (EN55022, EN55024), Safety EN60950

Alarm Relay
* Alarm Relay; Normal Closed , Normal Open

Applications:

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