

INTERFACE CONVERTERS

Framed E1 - 4 x Ethernet 10/100 BaseT converter



Ethernet interface

ST-2906-FA

Overview

The 4 x Ethernet interfaces is 10/100Mbps auto negotiation and can be full/half duplex. 2906-FA can be used in applications where several Ethernet ports are necessary and additional switch or hub installation is not possible and where limited bandwidth restrictions apply. The E1 is transparent and in full rate, which can support the E1 unframed mode, including fractional E1 per request.

A pair of 2906-FA offer a cost effective solution for using existing E1 leased lines for transparent Ethernet service. Local management of the 2906-FA Converter is provided via DIP switches. Front panel LEDs monitor the G.703 link, 4 x Ethernet LAN and serial ports for status and Loss of Sync. 2906-FA compact G.703 Access Converter provides fractional E1/2.048 Mbps Network Termination as well as serial or Ethernet LAN interface conversion in a standalone or rack mount package. 2906-FA-4ETH terminates the G.703 Telco interface and converts the data for transmission to a user-oriented 10BaseT interface.

Features

- * Realize monitor of remote equipment from local equipment (Having two row of LEDs)
- * Upper row indicate local status, lower row indicate remote status, unframing equipment have no this function.
- * Ethernet interface Half/Full duplex self adapt, supports VLAN.
- * Ethernet interface support Auto-MDix.
- * Provides 2 clocking types: E1 master clock, E1 line clock
- * Provide 3 loop functions: local loop, to remote loop, order remote loop.
- * Have pseudo random code test function, easy the installation and maintenance.
- * E1 can support rate $n*64k$ ($n=1-32$);
- * Provide 2 impedances: 75 Ohm unbalance and 120 Ohm balance.
- * Have Ethernet monitor self-reset function, equipment will not dead.
- * Provide detecting realtime Ethernet communication status.
- * Support 1-4 Ethernet switch function.

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Specifications

E1 interface parameters:	Channel capacity: 1 Channels Interface Rate: n x 64Kbps to n x 32 Bit Rate: 2.048 Mb/s \pm 50 ppm Line Code: HDB3 Line Impedance: 120 Ohm / 75 Ohm Connector: RJ-45 or BNC Pulse Shape: ITU-T G.703; G.704 Jitter Performance: ITU-T G.823 Clocking: internal-clock, line-clock
Ethernet interface	Interface Rate: 10/100Mbps 4 x 10/100BaseT interfaces Duplex: half and full duplex self-adapt. Interface characteristics according IEEE802.3, IEEE802.1 Q(VLAN) Connector: RJ45, support auto-mdix MAC address capability: 4096
Power:	DC: -48V (-36 to -72V); +24 V (Optional) AC: 90 to 260 VAC ; 47 ~ 63Hz Power Interface: DC power terminal/AC socket Power Consumption: 8 W maximum
Working environment:	Operating temperature: 0 to 50°C Storage temperature: -20 to +70°C Relative humidity: 5% to 90% (25°C no condense)

Ordering Information

2906-FA/ETH/AC	4 x E1 - ETH interface convertor, 75/120, 220V
2906-FA/ETH/DC48	4 x E1 - ETH interface convertor, 75/120, DC-48V
2906-FA/ETH/DC24	4 x E1 - ETH interface convertor, 75/120, DC+24V

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* Specs and Pictures of the product can be revised according to R&D

* Products design in UK.

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