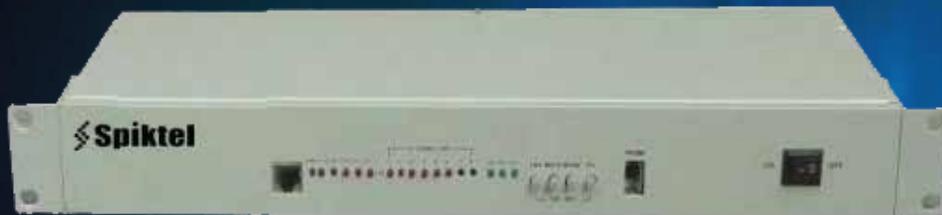


ETHERNET MULTIPLEXER

8 x E1 G.703 + Ethernet



8E1 to Fiber multiplexer

ST-2110-FA

Overview

ST-2110-FA is a fiber media transport for 8xE1 + 1 10/100 BaseT transmission. The BNC model provides unbalanced 75 Ohm coaxial connections while the RJ-45 model provides balanced 120 Ohm connections over twisted pair wiring.

All media converters are available with either multi-mode or single-mode optical transceivers and with connectors for SC, ST, or FC. In single mode they are available in up to 120 km versions reach, which will provide the ability to transmit and receive data using only a single optical fiber pair.

When the 2110-FA is linked to the AN-CH03 with 2110-FA card, it allows network engineers to get greater functionality through advanced SNMP features, the network administrator can manage any converter module from anywhere on the network, detect any link loss and maintain each loop.

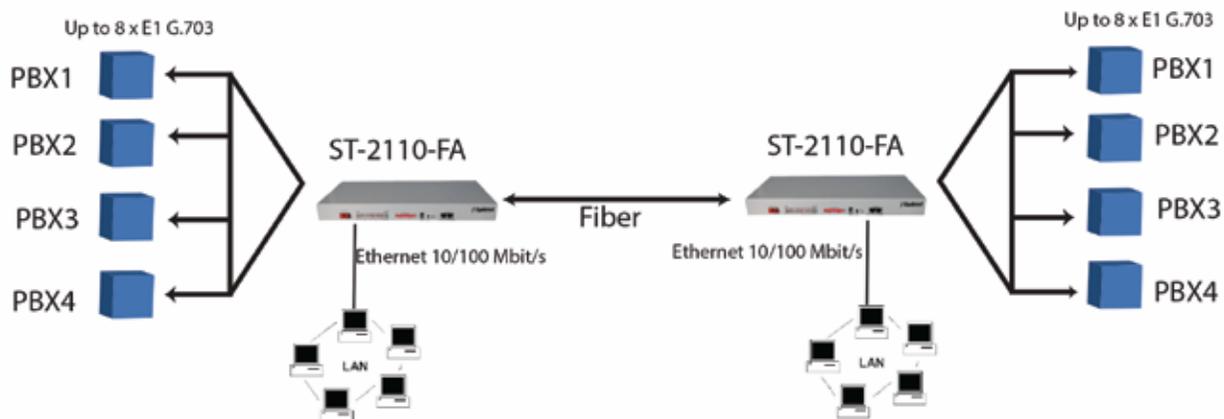
Features

- * Can provide up to 8 E1 channels transmission transparently, and 1 10/100M Ethernet data channel.
- * Compact design (1U - 44mm high) that performs E1 and Ethernet channel multiplexing & de-multiplexing to an optical output
- * Provide 1 Ethernet interface (support VLAN, flow control, and self-negotiation; full/semi duplex, 10M/100M optional)
- * Provides visible and audible alarm indication
- * Local device monitor remote device (2 row LEDs, upper indicate local status, lower indicate remote status)
- * Orderwire (EOW) channel for end to end installation and maintenance
- * Power supply option: AC220V, DC-48V, DC+24V (optional).
- * Provide function of 8 E1 remote loop, fiber local loop, and 1 interface of phone.
- * Two fiber two direction and single fiber two direction (optional).
- * Match telecom operation requirement, MTBF above 70,000 hours.
- * Support both DC and AC power supply.
- * High reliability, provide install type of 19 inch rack, desktop, hanging, and card.

Specifications

E1 interface parameter:	Channel capacity: 8 Channels 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 Jitter Performance: ITU-T G.823
Ethernet interface:	Interface Rate: 10/100Mbps Interface character: match IEEE802.3, IEEE802.1 Q Connector: RJ45
Optical interface parameter:	Optical wavelength: 850/1310nm for multi-mode fiber, 1310/1550nm for single-mode fiber. Optical interface: SC/FC/ST (Optional) Transceiver module: > -6dBm Optical receiver sensitivity: <-36(BER<10) Receive range: >-30dB Transmission distance: multi-mode 2 Km, single-mode 20/40/ 80 / 120 Km, single fiber WDM versions available
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: 10 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)

Application Diagram



Ordering Information

Product	Descriptions
2110-FA/ETH-MM	8xE1 and 10/100 Ethernet signal over multi-mode fiber 2km SC/ST
2110-FA/ETH-S20	8xE1 and 10/100 Ethernet signal over single-mode fiber 20km SC/ST
2110-FA/ETH-S40	8xE1 and 10/100 Ethernet signal over single-mode fiber 40km SC/ST
2110-FA/ETH-S80	8xE1 and 10/100 Ethernet signal over single-mode fiber 80km SC/ST
2110-FA/ETH-S120	8xE1 and 10/100 Ethernet signal over single-mode fiber 120km SC/ST

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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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