Team Engineers
Solutions in Connectivity
An ISO 9001 : 2008 Company

FE to STM1 Converter
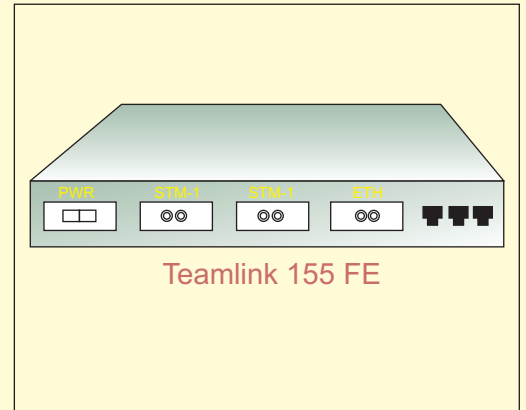**TEAMLINK 155 FE**
(Datasheet)

Product Overview :

Teamlink 155 FE is a cost-effective and good-performance product that provides 8/16 E1/T1, 2/4 Ds3, 4/8 ports of 10/100 Base T card as tributary, It deliveries various services to the customer premises over STM-1 (155Mbps) optical network.

The Teamlink 155 FE system is the transmission equipment which can provide a flexible and versatile solution to TDM and IP services and use two fiber links for 1+1 auto protection to deliver up to 155Mbps based on customer's application.

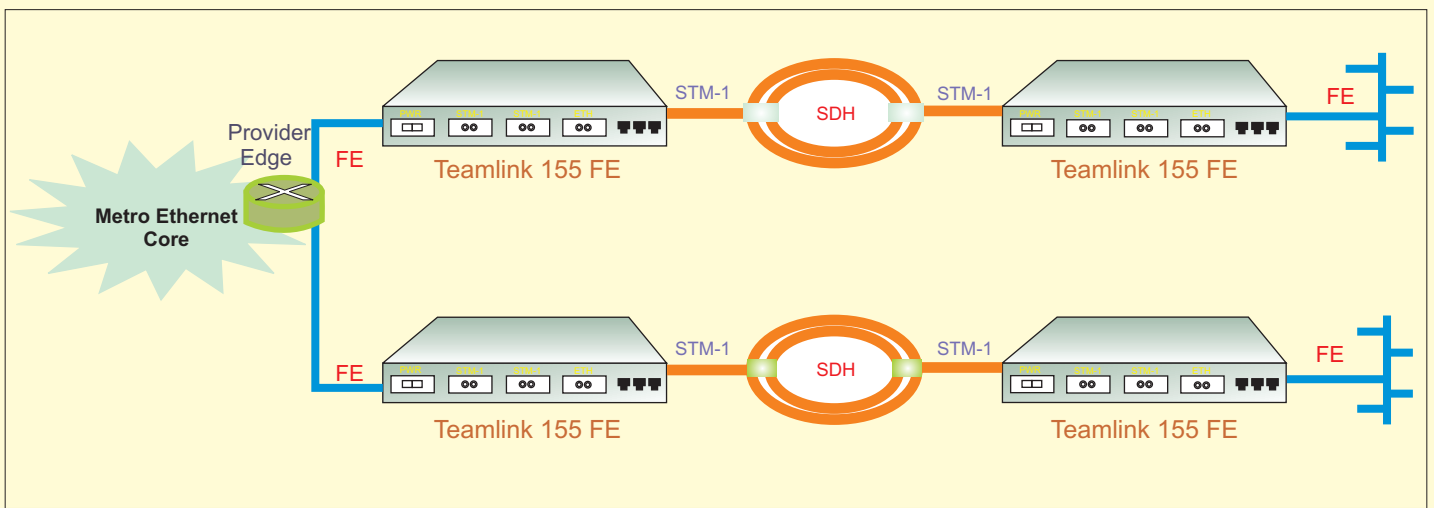Teamlink 155 FE

Versatile Network Management System :

Teamlink 155 FE   provides a functional Craft Interface and easy-to use GUI Network Management.Performance indexes are also available for better monitoring. Easy and smooth facilities provide powerful operation and maintenance for both remote and central sites.

Scalability in Ethernet Services :

The Ethernet services is scalable to fit in fields requires by administrators from 2 up to 100Mbps (increased by 2.048Mbps or 1.544Mbps) with GFP, VCAT & Link Capacity Adjustment Scheme (LCAS) to adjust in transmission capacity with hitless traffic for user bandwidth requirement.

Features :

:: Carry legacy and advanced data services up to 155Mbps through existing optical network.

:: Provide transparent LAN services with dynamic bandwidth allocation with hitless traffic.

:: Support Ethernet 802.3x flow control for handling burst Ethernet traffic condition.

:: Comply with ITU-T G.703 E1/T1 interface

:: Comply with IEEE 802.3 10/100M Ethernet interface.

:: Provide craft Interface and SNMP- or Web based GUI network management.

:: Support optical 1+1 protection switch with superior performance of recovery time

:: Support power supply redundancy(AC / DC)

LAN Card

✱ **Ports**   :   3x 10/100 Mbps TX, and 1x10/100 Mbps Fx

✱ **Bit Rate**   :   10/100 Base

✱ **Connectors**   :   RJ-45 for 10/100 Base Tx and SC for 10/100 Base Fx

✱ **Optical Interface** :

	Ports	2
	Wavelength	1310nm, 1550nm (option)
	Modulation	155.52 Mbps
	Connector	SC

✱ **Power Supply**   :

	DC	$-36V_{DC}$ to $-72V_{DC}$ ($-48V_{DC}$ nominal)
	AC	110 or $230V_{AC}$ -50Hz

✱ **Power Consumption** :   Watt   25W

✱ **Timing**   :

	Sources	STM-1 link
		Local oscillator
		E1 line
		2 Mbps external input

✱ **Operation Environment:**

	Temperature range	$0^{0}C$ to $50^{0}C$ ($0^{0}C$ to $65^{0}C$, Optional)
	Humidity	5% - 90%, no condense

✱ **Protection**   :   1+1 MSP   APS < 50ms

✱ **Performance**   :   BER   BER < 10^{-12}

✱ **Management Interface** :

	Craft Terminal	RS 232 DB-9
	NMS	RJ-45 for SNMP

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