

RC954-FE8E1(-BL) Fast Ethernet over 8E1 Inverse Multiplexer

RC954-FE8E1(-BL) is Inverse Multiplexer that delivers fast Ethernet service over existing TDM transportation network. It utilizes the state-of-the-art inverse multiplexing technology to realize the transmission of Fast Ethernet service over 8 bonded E1 circuits (16M). RC954-FE8E1(-BL) can be installed in RC002 16-slot chassis operating opposite the RC953-FE(X)8E1 for integrated SNMP management,

enabling an economical path towards extending the distance of existing Ethernet network by utilizing existing E1 resources. Additionally its advanced features such as automatic E1 link adjustment, fault pass through and remote network management provide carriers a flexible, reliable and cost-effective solution for high-quality Ethernet Service delivery by using TDM network resources.

Feature

E1 mode	Framed E1 mode (PCM31, FAS+CRC4 by default)
Automatic E1 Link Adjustment	Automatically adjust the capacity of E1 transmission channel if one or more E1 link fails and assures the high-reliable Ethernet data delivery
Ethernet Encapsulation	HDLC-over-E1
E1 Loop Back	Support local and remote loop back
BERT function	Inner BERT enables a flexible way of testing E1 links
Enhanced E1 link monitor	Traffic counter provides an effective E1 link monitoring by statistics collection of Rx, Tx, total and error packets amount on E1 port
Clock Mode	Master and Slave
Maximum Transmission Unit	1916 bytes
Flow control	IEEE802.3x in full duplex
VLAN	VLAN transparent forwarding
Fault Pass Through	Ethernet interface will be shutdown automatically if all E1 links failed
Management/remote management	DIP-switch configuration, SNMP management in RC002 chassis and monitoring/configuring remote end unit through central module

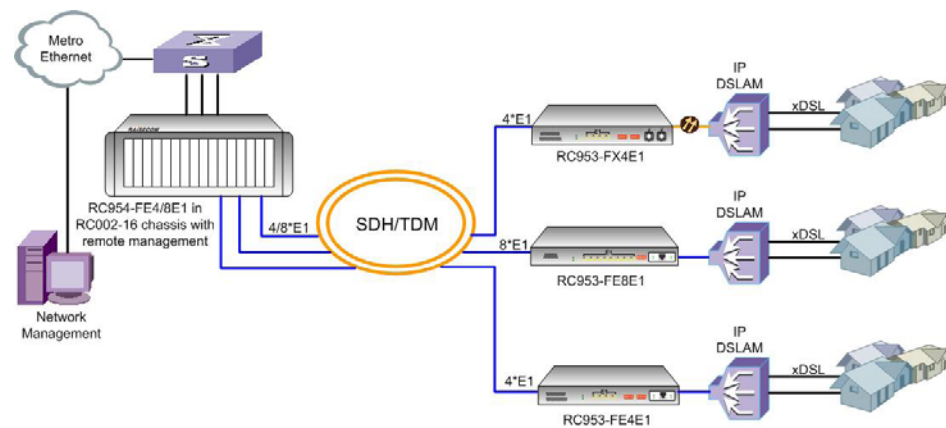


**RC954-FE8E1
Modular Fast Ethernet
over 8 E1 Inverse
Multiplexer**

Specification

Electrical fast Ethernet port	Speed: 10/100BaseT Connector: RJ-45 MDI/MDIX auto crossover IEEE802.3x flow control
Balanced E1 interface	Connector: RJ-45 Impedance: 120ohm Line coding: HDB3
Unbalanced E1 interface	Connector: BNC Impedance: 75ohm Line coding: HDB3
Dimension	91(W)*172(D)*50(H)mm
Weight	0.23kg
Power supply	AC: 90~264V, 47~63Hz DC: - 36~75V
Power consumption	≤ 10W (at max load)
Working ambience	Temp: -5~50 centigrade RH: 20~90% non-condensing
Storage ambience	Temp: -25~85 centigrade RH: 20~90% non-condensing
Safety compliance	CE marking FCC Class A

Application



Ordering Information

Part Number	Description
RC954-FE8E1	Modular Fast Ethernet over 8E1 Inverse Multiplexer, 75ohm unblanced E1 interface
RC954-FE8E1-BL	Modular Fast Ethernet over 8E1 Inverse Multiplexer, 120ohm balanced E1 interface

Compliance

Standards & protocols	IEEE802.3 Ethernet IEEE802.3x full duplex on 10BaseT, 100BaseTX ports IEEE802.3u 100BaseTX ITU-T G.703 ITU-T G.704 ITU-T G.823
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