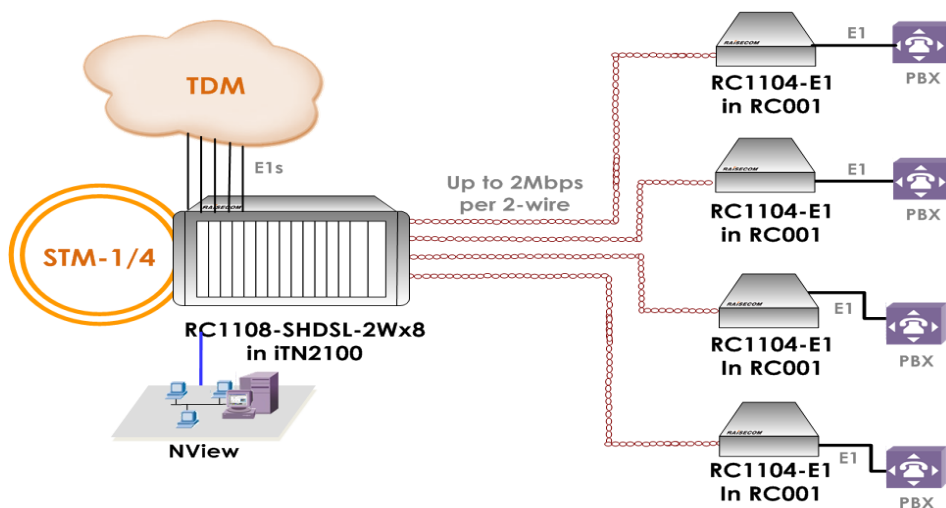# RAISECOM
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RC1104-E1-BL G.SHDSL Modem

The RC1104-E1-BL modem offers extended distances and variable data rates from 64 kbps to 2304 kbps using G.shdsl technology. The modem supports G.703 E1 interface which can be used as the remote device of RC1108-SHDSL-2Wx8, and also for point-to-point application. G.SHDSL line can carry 1 line E1 service with bandwidth of 2M, the maximum transmission distance of 4.5km. In addition, RC1104-E1-BL supports G.SHDSL interface performance statistic, the front panel switch can achieve G.SHDSL line internal and outer loopback. The device adopts serialization design, has strong commonality and high intelligence. The features are high reliability, small size, low power consumption, simple operation, easy maintenance, etc. RC1104-E1-BL is a modular device, which can be inserted in rack-mounted 19-inch 3U standard RC002 chassis, also can be placed to RC001 series single-slot or dual-slot chassis. By using Raisecom's NNM network management system, both local and remote management can be implemented. All user configurable parameters can be set and monitored through NNM system.

Typical Application

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Features

System Features	Provide 1 line E1 interface, support HDB3 coding mode; Support to configure STU-C and STU-R working mode; Support remote device management; Support three kinds of clock modes: local clock, G.SDHSL line clock and E1 line clock; Support G.SHDSL interface LINE loopback and SYS loopback; Support to view device version information (Hardware version No., Software version No., G.SDHSL version, FPGA version and device serial No.)
E1 Interface	Support to configure and view E1 interface framed mode and unframed mode; Support to configure and view E1 timeslot number; Support to configure and view E1 timeslot follow-up; Support to view E1 interface alarm (AIS, LOF, LOS and CRC-ERR); Support AIS alarm delivery: when there is local G.SHDSL line LINK DOWN or peer E1 interface LOS/AIS alarm, local E1 will send AIS alarm information.
G.SHDSL Interface	Support to configure G.SHDSL interface enable or disable; Support to view ITU G.991.2 standard ANNEX B; Support to configure and view coding scheme (TC-PAM4, TC-PAM16); Support to view symmetrical power spectral density mode; Support to view auto-power compensation mode; Support to view line attenuation value; Support to view line signal-to-noise ratio value; Support EOC channel management; Support to view G.SHDSL line LINK, ES, UAS, LOSW, CRC statistics;
Chassis	Support to be inserted into RC001 and RC002 series chassis
Line Coding	Trellis Coded Pulse Amplitude Modulation (TC-PAM)
Standard	ITU-T G.991.2
Client interface/Type	120 ohm balanced E1 interface, RJ45 connector

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Specifications

Physical interface	1*RJ45 G.SHDSL port;
	1*RJ45 120 ohm balanced E1 port;
LED	Interface status and system status can be displayed on front panel;
User Conditions	Operating temp: 0~50°C ;
	Storage temp: -40~70°C ;
	Humidity: 5~90% non-condensing;
Dimensions	152(L) x 91(W) x 25.2(H) mm^3
Power Consumption	≤ 3W
Weight	0.12 Kg

Ordering Information

RC1104-E1-BL	G.SHDSL modem card in RC001/002 chassis, 1*E1(balanced RJ45 connector) at client side and 1*RJ45 for G.SHDSL at line side, remote manageable