



ISO 9001:2000 Certified Company

ATOLT- 3042

Overview

ATOLT- 3042 provides various interface for voice, data and video services in cities and industrial districts. Its optional interfaces support multiservice transmission of large customers and customer groups such as MSEs, governmental organizations, schools and intelligent residential areas. Open and standard interfaces are applied to guarantee prompt interlinking of various devices. 1+1 Optical Redundancy Backup: Protection of dual optical interface available to ensure that business will not be interrupted when one pair of optical fibres is confronted with failure. It supports hot swap of optical interface. Various Functional interface: User interface include 4*Ethernet,4*E1,30 FXO/FXS, and RS232. Device provides serial interface network management.

Technical Specification

Optical Interface

Optical Source: LD
Output Power: $\geq -9\text{dBm}$ (dual fiber)
Receiver Type: PINFET
Receiver Sensitivity: $\leq -35\text{dBm}$ ($\text{BER} \leq 10^{-11}$) (dual fiber)
Type of Optical Connectors: SC/FC
Focus Wavelength: 1310/1550 nm
Optional Transmitting Distance: 0~40 km (40~120 km, to be customized)



E1 interface

Interface standard: Conforms to G.703 standard
Interface rate: 2.048Mbps
Code: HDB3
Interface impedance: 75Ω (unbalanced) or 120Ω (balanced)
Connector: BNC (75Ω) or RJ45 (120Ω)
Vibration characteristic: Satisfies G.742 and G.823 standard



Ethernet interface

Rate : 10M/100M, full/half duplex self adapt
Protocol: support IEEE 802.3, IEEE 802.1Q(VLAN)
MAC address table: 4096 MAC addresses
Ethernet Total Memory Sizes: 64Mbits SDRAM
Physical interface: RJ45, support AUTO-MDIX(cross over and straight through self adapt)

ANDA Telecom Pvt. Ltd.

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Voice interface

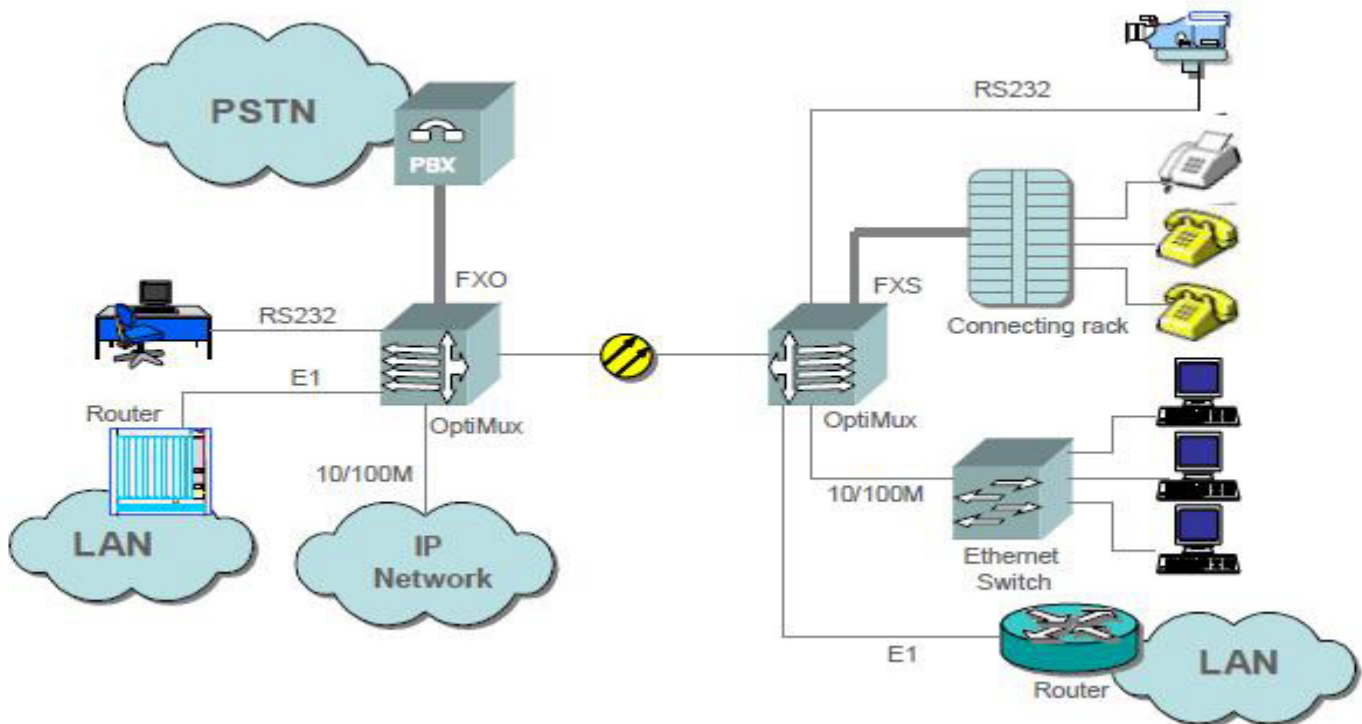
FXS Ring voltage: 75V
Ring frequency: 25HZ
Two line input impedance: 600Ω(hanging off)
Wastage: 40 db

FXO Ring test voltage: 35V
Ring test frequency: 17HZ-60HZ
Two line input impedance: 600Ω(hanging-off)
Wastage: 40 db

RS232 interface

Rate: 300 – 19.2Kbps auto-adaptable (Asynchronous)
Interface characteristic: Satisfies ITU-T V.24 standard
Connector : RJ45

Typical Application



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