



WireSpan 3000

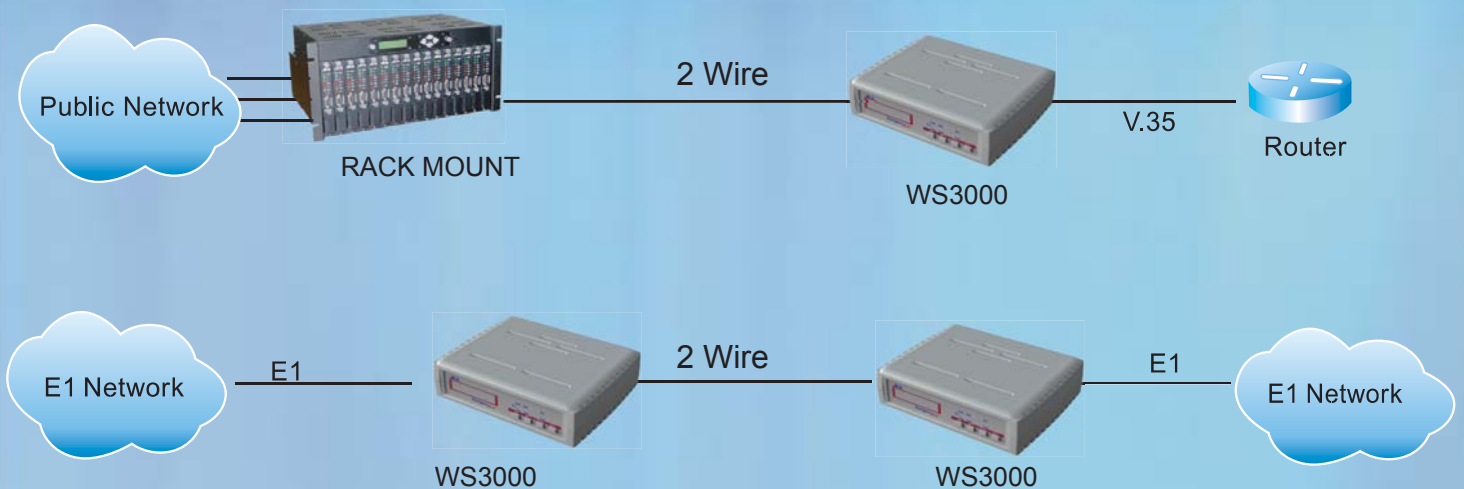
G.SHDSL Access Unit



Features

- Comply With ITU-T G.991.2 (G.SHDSL)
- Support 2 wires DSL connection
- Support auto data rates adaptation between 64K and 2304K (N=1 ~ 36)
- Device operates in CO mode or CPE mode configurable
- Versatile user interface: V.35 interface, E1/Fractional E1 interface, 64k Co-directional
- Built-in test pattern generator and detector
- Control via LCD management port /ATRIE NMS-VIEW/RS232(Optional)
- Software flash upgradeable via TFTP/Ethernet

Application



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Specifications

DSL Interface:

1. Line Rate : 200Kbps ~ 2312Kbps (1 pair).
2. Line Code : 16-TCPAM (G.SHDSL) comply with ITU-T Rec. G.991.2 Annex B.
3. Line Type : Unconditional twisted pair
4. Line Impedance : 135 Ohms±5%.
5. Range : 10 KMs at 64Kbps and to 6 KMs at 2Mbps
6. Connector : RJ11.

DTE Interface Ordering Options(G.703 E1, 64KCo-directional,Ethernet and V35):

- 1.G.703 Interface: E1 or 64K Co-directional (configurable dual mode from Front Panel):
E1 mode:
Line Rate: 2.048Mbps ± 50ppm.
Line Code: HDB3
Line Impedance: 120Ohm ±5%
Frame Format: Unstructured and structured framing Applicable
Standards: ITU-T Rec. G.703, G.704, G.706, G.823 Connector:
4 pins Terminal Block.
Fractional: N x 64Kbps for Twisted pairs (N=1~32)
Range: 1000 feet@26AWG.
64K Co-directional mode:
Line Rate: 64Kbps ± 50ppm.
Line Code: AMI
Line Impedance: 120Ohm ±5%for Twisted pairs
Applicable Standards: ITU-T Rec. G.703
Connector: 4 pins Terminal Block.
- 2.V.35 Interface :
Data Rate (N×64Kbps): N=1~36
Connector: M34 ISO 2593/ 34 pins female
3. Ethernet Bridge interface: (WAN and LAN) IEEE 802.3 10/100 Base-TX

ClockOption:

Clock Source: Internal, G.703, Loop, V.35 XTC

Management and Maintenance:

Configuration : 16 x 2 LCD with 4 keypads, Telnet or SNMP/ATRIE NMS-VIEW
Network management : 1. Provided SNMP agent for customer's EMS
2. ATRIE NMS-VIEW Software
3. Ethernet interface: IEEE 802.3 10/100 Base-TX
Firmware upgrade: TFTP.
Diagnostic : LLB, DLB, RLB, RLB with 2047 pattern, V.54 Loopback (V.35 interface only)
LED Indicator : G.703 => PWR, TST, DSL, E1, ALM
V.35 => PWR, TST, DSL, TXD, RXD, ALM
Remote management : Remote control via EOC managed support

Physical Dimensions:

Dimensions: 190mm (W) X 49.9mm (H) X 150mm (D)

Environment:

Temperature: 0 ~ 45 degree Celsius.
Humidity: 0% ~ 95% Non-condensing.

Power Requirement:

AC 100-240 V~0.5A, 47~63Hz ; DC-36V~72V (Built-in power circuit), AC/DC for E1 Modem
Power consumption : 8 Watt (Max.)

 **ATRIE TECHNOLOGY INC.**

10F, 14, Lane 609, Sec. 5, Chung Hsin Rd.,
San Chung City, Taipei Hsien, Taiwan, 241, R.O.C.
Tel: +886-2-2999-5155 Fax: +886-2-2999-4960
E-mail: contacts@mail.atr.ie.com.tw
[http:// www atr ie com tw](http://www.atr.ie.com.tw)



Ver.1.4

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