

Atrie WireSpan 5100 RM

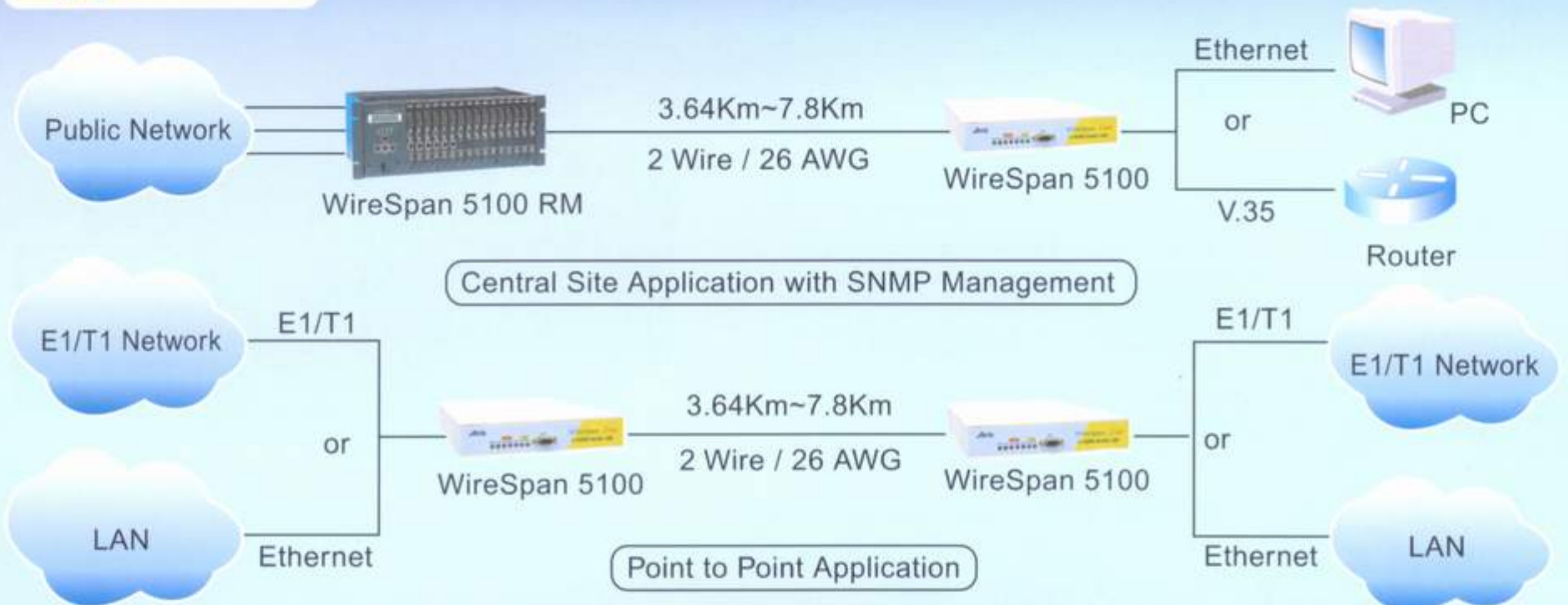
G.SHDSL Access Unit



Features

- Compliance with ITU-T G.991.2 (G.SHDSL)
- Provide all Configuration function of WireSpan 5100 series
- Versatile Line Card Options and can be install in the same rack
- Versatile performance monitoring, alarm log record
- Provide sealing current over each SHDSL loop
- Each unit Works Independently and hot swappable
- Each unit power system Independently for used in mix power environment
- Configuration backup function
- High density line unit installation (16 pieces)
- Provide control management unit with LCD
- Support SNMP agent for user maintenance
- Provided profile copy function for easy setup each unit
- Workable in outdoor environment
- WireSpan 3000RM HDSL series unit also can installation in rack04

Application



26 AWG (0.4mm)												
Data Rate(Kbps)	64	128	192	256	384	512	768	1024	1152	1536	2048	2304
Kft	26	23.5	18	17.5	17	18	17.5	15.5	15	13.8	12.5	12
Km	7.8	7.05	5.4	5.25	5.10	4.95	4.80	4.5	4.2	4.05	3.81	3.64

G.SHDSL Access Unit

Specifications

DSL Line :	
	Rate-selectable high speed digital subscriber line capable of full duplex symmetric operation up to 2312Kbps
Line Rate	72Kbps up to 2312Kbps or rate adapting
Line Code	16-TCPAM (G.SHDSL) comply with ITU-T Rec. G.991.2 Annex A or Annex B
Line Type	Unconditional twisted pair(2 Wires) [Optional : 4 Wires]
Line Impedance	135 Ohms \pm 5%
Range	27kft down to 12kft at 26 AWG
Bit Error Rate	1x10E -7, or Better
Connector	RJ - 45 or Wire wrap pins or Mini - terminal block
Sealing current (Option)	1mA ~ 20 mA
System start up time	30 ~ 120 seconds
Suitable protection	FCC part 68
DTE Interface (E1/T1 or V.35 or Ethernet) :	
	E1 / T1 mode selectable by user configuration
E1 Interface:	
Line Rate	2.048Mbps \pm 50ppm
Line Code	HDB3 / AMI
Line Impedance	120 Ohm \pm 5% for twisted pair
Frame Format	PCM31 / PCM31 CRC PCM30 / PCM30 CRC / UNFRAMED
Applicable Standards	ITU-T Rec. G.703, G.704, G.706, G.732
Connector	Wire Wrap Pins or Terminal Block or RJ -48C
Fractional	N x 64Kbps (N=3~32)
Idle code	Insert "FF" or user setting
Range	200meter (655 ft.) / 26 AWG.
T1 Interface :	
Line Rate	1.544Mbps \pm 32ppm
Line Code	AMI / B8ZS / UNFRAMED
Line Impedance	100 Ohms \pm 5% for twisted pair
Frame Format	SF / ESF
Applicable Standards	ANSI T1.403
Connector	Wire Wrap Pins or Terminal Block or RJ-48C
Fractional	N x 64Kbps (N=3~24)
Idle code	Insert "FF" or user setting
Range	200meter (655 ft.) / 26 AWG.
V.35 Interface:	
Line Rate	N x 64Kbps, N=1 ~ 36
Impedance	100 Ohms
Standard	ITU-T Rec. V.35
Connector	M34 ISO 2593, 34 pins female
	Built -in V.54 remote loopback function
Ethernet Interface:	
Interface	Auto -sensing 10/100 BaseT Ethernet and half / full duplex configurable
Standard	IEEE 802.3 / IEEE 802.3u
Connector	RJ-45 (to HUB)
Bridging Capability	1. Self-learning comply with IEEE 802.1d transparent bridging function 2. Supporting up to 1024 MAC learning addresses. 3. Supporting Bridge filter function

Clock Option :	
Clock Source	Internal, External (E1/T1 or DTE), Loop
Management:	
Configuration	Console / LAN or CM Card control
Console Interface	EIA -232C
LAN Interface	10/100 BaseT Ethernet Interface with RJ-45 Telnet SNMP agent comply with RFC1155, RFC1157, RFC2495, RFC1212, and IETF "Managed Objects for SHDSL Line" (RFC3276)
Alarm	Use LED (Local and Remote) or External contact Relay (MINOR / MAJOR)
LED Indicator(E1/T1)	PWR, LOP, LOC, REM, TST, SYN, LOS
(V.35)	PWR, LOP, LOC, REM, TST, DCD, RTS
(Ethernet)	PWR, LOP, LOC, REM, TST, LNK, ACT
Diagnostic	NLB, LLB, RLB, PLB, ITU-T Rec. V.54 (Only V.35 Interface) Built-in PRBS (11-stage) generator and detector (Option)
Physical dimensions:	
Physical dimensions	16 ports (16 Pieces) per Rack in 19" Rack shelf 385.48 mm in W x 481.8 mm in L x 220 mm in H
Power Requirement :	
Input Voltage	90 ~ 260 VAC @ 60 HZ \pm 3Hz or -36 ~ -72 VDC
Power consumption	8W (MAX.) per piece
Environment :	
Operating :	
Temperature	0°C ~ 60°C
Humidity	0 % ~ 95 % Non-condensing
Storage :	
Temperature	-40°C ~ 60°C
Humidity	0 % ~ 95 % Non-condensing
Safety :	
EMC / EMI	FCC part 15 class A CISPR part 22 class A



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