

Atrie WIRESPAN 3000C



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Atrie WIRESPAN 3000C is an interface equipment between optical and electrical line facilities to carry 4 asynchronous E1 over a pair fiber lines. The WIRESPAN 3000C carries up to 4 E1's and multiplexes them into E2 signal (8.448Mb/s).

This E2 signal is then encoded and transmitted to the far end over optical line by the optical signal. The WIRESPAN 3000C also receives the optical signal then decodes it into E2 signal. The E2 is demultiplexed into up to 4E1 signals. To test and monitor the performance and status of the E1 signal, the WIRESPAN 3000C provides the local and remote loopback functions. Atrie technology inc. adopt Digital Phase Lock Loop (DPLL) technology to implement the Digital clock recovery on its fiber optical multiplexer, WIRESPAN 3000C. The WIRESPAN 3000C can be operated under high temperature and noisy environment. It is very convenience for the low capacity Applications, such as cellular base station, SOHO etc.

 **Key Features**

Support 4 E1 channels and 1 Ethernet over 100 Base FX
 Less Components Design, Low Power Consumption
 High Temperature Operation
 LCD Front Panel Display
 E1 Loop Back Capability
 Alarm Dry-relay Contact
 RS-232 Connection for System Management Application

 **Technical Specification**

Transmission Specifications

E1 INTERFACE		OPTICAL INTERFACE	
Line Rate	2.048Mbps	Line Rate	Bm Laser
Clocking	50ppm	Clocking	-33 dBm
Line Code	HDB3	Connector	@BER = 1E-10
Impedance	120 ohm 5%	Cable Type	27 dB min.
Pulse Mask	ITU-T G.703	Operation	8.448 Mbps
Input Jitter	Compliant with ITU-T G.823	Wavelength	50ppm
Output Jitter	HP1: < 0.2 UI HP2: < 0.05 UI	Range	FC/PC Type
San	Up to 12 dB Loss	@	9/125 Op. Cable
		Spectrum Width	1310 50nm
		Output Power	Up to 60km(ITU-T G.652)
		Receiver	Laser < 5nm
		Sensitivity	-6 2 d
		System Gain	

General Specifications

EM1 Compliant with class A of subpart B of part 15 of FCC

RELIABILITY MTBF > 60,000 Hrs

SYSTEM MANAGEMENT TBOS, AT&T CB149 - 3 Local Craft VT-1000/ANSI Terminal

DIMENSION Height 55 mm Width 485 mm Depth 300 mm
 L110 × W81 × H23 mm

POWER REQUIREMENT 92~250V AC 50/60 Hz, -36 ~ -72V DC (AC and DC)

Environment Temperature 0° C to 60° C
 Relative up to 95%
 Humidity (non-condensing)