

Multi-Channel AES Audio Fiber Optical Transmission 10AES



The 10AES is a high performance, Fiber Optic AES Audio Transport System. The 10AES system is designed to transport eight (8) channel AES/EBU serial digital audio signals over long distance through singlemode fiber. The 10AES design accepts synchronous or asynchronous AES/EBU channels of 32, 44.1 or 48, 96 kHz frequency.

The 10AES system consists of a 10AES -T transmitter and an 10AES -R receiver in a 19" 1RU rack chassis.

Because of the use of advanced digital fiber optic transmission technology, no user adjustments are required in the 10AES system, enabling quick setup and trouble-free operation. The 10AES is designed for compliance with AES3-1992 (ANSI S4.40-1992, IEC 958), a standard format and protocol for serial transmission of digital audio.

Model – SOC08 技术指标

AES Audio Specifications		
1	Signal Format	AES/EBU under AES3-2003 GY/T158-2000
2	Channel Capacity	10
3	Signal Resolution	24 bits per channel
4	Audio Sampling Rate	44.1 KHz, 48 KHz
5	Input/Output Impedance	110 Ohms or 75 Ohms
6	Jitter	< 20 ns
7	Signal Level	200mv — 7Vp-p (110 Ohms) 0.9 — 1.1 Vp-p (75 Ohms)
Optical Specifications		
1	Optical Power Output	≥ -10dBm
2	Optical Receiver Sensitivity	< -25dBm
3	Optical Device	Singlemode 1310nm
4	Optical Connector	FC/PC
Other Specifications		
1	Connector	3-pin circular connectors
2	Size	19" 1U
3	Power	220VAC
4	Operating Temperature	0 to +50oC
5	Humidity 0 to 95% RH	non-condensing

* Specification subject to change without notice *