

GASI Multi-ASI Signals Fiber Transmission



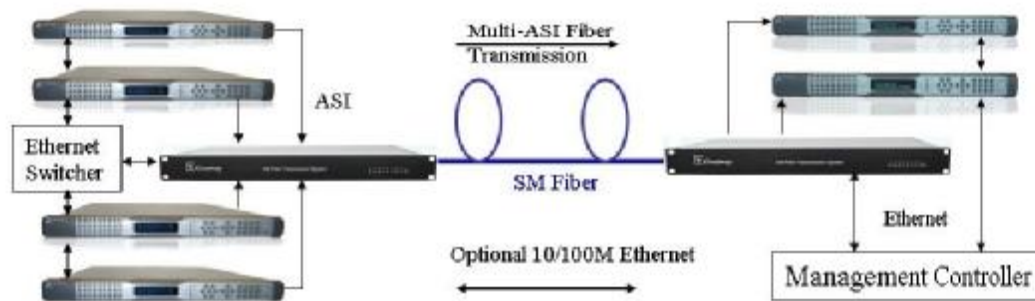
GASI multi-ASI signals fiber transmission equipment is made up of Greatway GASIT transmitter and GASIR receiver, transmitting 1/2/3/4/8 ASI digital video signals over one single fiber up to 100Km. GASIT has built-in ASI cable equalizer and frame synchronizer for each ASI signal processing. Each ASI input has a loop out output at GASIT transmitter. GASIR has built-in high-speed digital de-mux and each ASI signal has two output ports. With high stable clock and high speed mux/de-mux technology, GASI fiber link has excellent transmission quality and minimize the signal jitter.

By means of CWDM technology, GASI can increase the ASI transmission capacity or build up a 10/100M Ethernet link for the management control among encoders, muxers and QAM modulators.

Features:

- l Meet DVB-ASI (EN50083-9) interface standards
- l Supporting SPTS and MPTS ASI signal
- l Real-time transparent transmission up to 8 ASI signals at one optical wavelength
- l Built-in Cable Equalizer on the signal input
- l Maximum fiber distance up to 100Km
- l Optional 10/100M Ethernet fiber link along with multi-ASI transmission

Applications



Specifications:

ASI Format: 188/204 Auto Negotiation, Maximum Effective Data Rate: 128Mb/s	
Input ASI Channel	1, 2, 3 or 4 or 8
Input Level	> 380 mV _{P.P}
Cable Equalizer	> 250m (270Mbps) (BELDEN8281 Cable)
Input Return Loss	> 16dB (270MHz)
Input Impedance	75Ω
Connector	BNC
ASI Video Output	
Output Channel	1, 2, 3 or 4 or 8
Output Level	800mV _{P.P} ±10%
Rise/Down Time	< 0.8nS
Maximum Jitter	< 0.1UI (270Mbps)
Output Impedance	75Ω
Connector	BNC
Optical Parameter	
Wavelength	1310 nm/1550 nm or CWDM wavelength
Optical TX Power	-12dBm ~ 3 dBm
Optical RX Sensitivity	-26dBm ~ -3 dBm
Transmission Fiber Distance	20Km, 40Km, 60Km, 80Km, 100Km+
Optical Connector	SC/PC
Operation Temperature	0~45°C
Power Supply	AC 100~240V, 50/60Hz
Power Consumption	<20W
Dimension	430×230×43 (mm)

Ordering Information:
GASI-A-BC-D-E

A(ASI video channel number): 1 or 2 or 3 or 4 or 8

BC(Fiber distance): 20-20Km, 40-40Km, 60-60Km, 80-80Km, 100-100Km+

D: Optional CWDM wavelengths

E(Optional): None_ without Ethernet transmission; E_ with 10/100M Ethernet transmission