

BOARD PLUG-IN EK-SFP/4 ASI/IP CONVERTER

"GBE/ASI CONVERTER"



This software define revolutionary board allows to integrate more function in a single hardware platform with consequential costs reduction and performance maximization. Thanks to this feature the EK-SFP/4 can works also as ASI to IP and IP to ASI Converter.

The EK-SFP/4 Board uses up to 4 SFP modules that allows an incredible modularity and flexibility thus being able to increase or change features of the board in any time simply changing the relative SFP modules and manage up to 3 ASI IN/OUT on the coaxial connectors plus other 3 ASI/OUT internal (e.g.: generated from and HD/SD Encoder and Decoder boards).

When used as DVB-ASI to IP Bridge this board satisfy all requirements of MPEG Transport Stream distribution through an IP network also in bi-directional mode.

Furthermore, as always, this board can be managed and checked locally or remotely through our Network Management System EK-MST®, GUI, Telnet and SNMP.

Features

- ASI <=> IP Converter
- Up to 3+3 ASI IN/OUT
- Bi-directional operation
- IP Multicast support
- IP Unicast support
- Automatic input MPEG TS packet size detection (188/204 byte)
- High protection against Jitter and Delay
- RDP/UDP support
- Complete web management

Applications

- Professional Broadcast Contribution & Distribution
- Video services over IP
- DVB-T/H distribution over IP



TECHNICAL SPECIFICATION

Inputs	4 SFP + 3 Internal + 1 Internal 1pps Reference
Input Stream Type	ASI 188 Byte and 204 Byte terminated ASI/SMPTE/SDI/GbE
Outputs	4 SFP + 3 Internal + 1 Internal 1pps Reference
Output Stream Type	ASI ISO/IEC 13818-1, EN 50083-9:2002 SMPTE SMPTE 310M-2010 Ethernet IEEE 802.3
ASI characteristics	1÷216 Mbit/s
SMPTE characteristics	8VSB (19.39 Mbit/s) 16VSB (38.78 Mbit/s)
GbE characteristics	10BASE-T over Copper 100BASE-T over Copper 1000BASE-T over Copper 1000BASE-SX over Optical Fiber 1000BASE-LX over Optical Fiber
Internal Data-Rate	1÷270 Mbit/s
GPS	Antenna supply Voltage = 5V Max. allowed current = 50 mA Input impedance = 75 Ohm Connector = F female
Climatic conditions	
Temperature	- 5°C ÷ + 45°C
Humidity	Max. 90 %
Altitude	3000m 66kPa

TYPICAL APPLICATION

