

emSFP-GATEWAY ASI to IP: DVB-ASI to IP Encapsulator Plugin

The emSFP-GATEWAY ASI to IP is the most integrated solution to integrate compressed ASI signals into your IP networks.

Based on an SFP+ (Small Pluggable Form Factor) hardware design, modules can be installed directly inside a 10/25GE IP switches providing the best possible integration. This same IP infrastructure can be used for your uncompressed signals and contribution feeds simplifying your system deployments.

The modules provide all the features required to bring your compressed signal across WAN networks without compromising the signal integrity.

Each module can encapsulate 2 ASI signals into IP ST2022-1/2 streams.



KEY DIFFERENTIATING FACTORS

- ✓ Plugs in directly inside any 10GE/25GE IP switches
- ✓ Dual channel encapsulation to fully optimize the bandwidth of the 1GE port
- ✓ Zero additional rack space and power supplies.
- ✓ Opened RESTful API and fully supported by Embrionix's emSET software
- ✓ Most cost and power effective solution

SPECIFICATIONS

Inputs and outputs:

ASI inputs (2): ASI/SDI input per DVB TR 101 891/SMPTE ST 259
 Packets: 188 and 204 bytes
 IP on Host ST-2022-1/2 2007

Functions:

Protocols: ARP, IGMP, ICMP
 FEC: $L * D \leq 100, L \leq 20$
 Streams: Multicast and Unicast

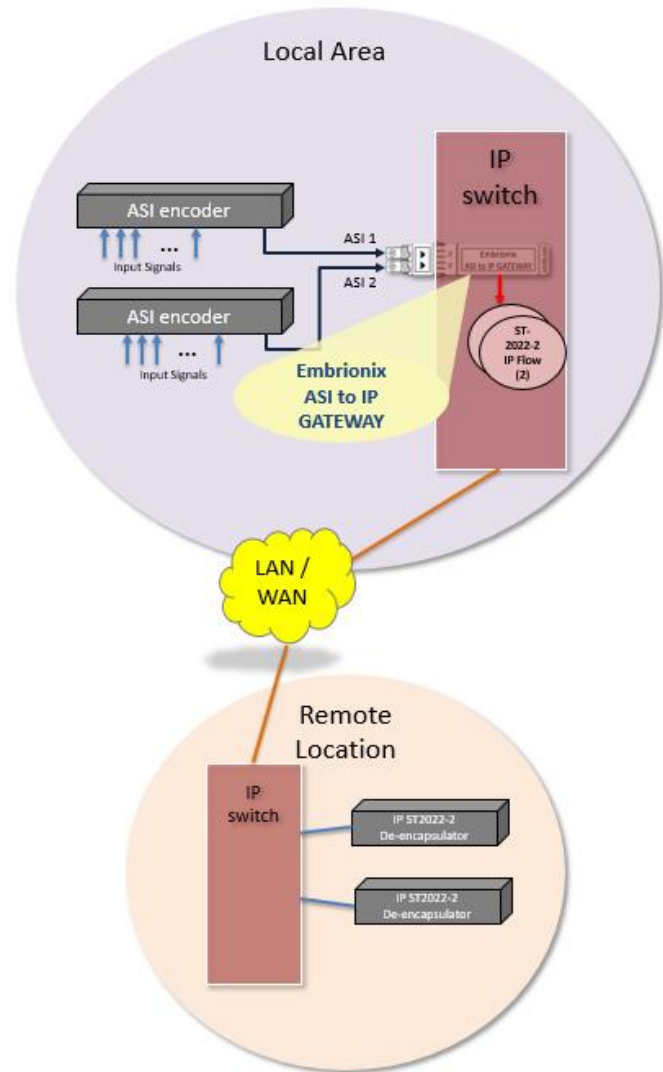
Control:

In Band Control Each emSFP can be control via a unicast IP address
 Software: emSET
 API: RESTful

Physical:

Form factor: SFP+
 Consumption: 1.5w

APPLICATION DIAGRAM



ORDERING INFORMATION

EB22HDRT-LM-0514
 emOPT-2E-ASI

Software Defined emSFP (2x Sender), MSA ,HD-BNC - IP host
 DVB-ASI to IP Encapsulation Option (Dual channels)

For more information, please contact sales@embrionix.com

Embrionix™ logo is among the trademarks of Embrionix Design Inc. Any other trademarks or trade names mentioned are the property of their respective owners. Specifications are subject to change without notice.

www.embrionix.com

sales@embrionix.com

Patent pending