EQX-IP18-IPG
EQX Input and IP Gateway Module

The EQX-IP18-IPG is an 18 channel hybrid EQX input module that will allow existing or new EQX routers the ability to be bridged to the IP world. This IP Gateway module is fully featured with the the ability for encapsulation and de-encapsulation of video signals over IP. There are 18 inputs to the EQX that can be selected from either baseband inputs or 10GE IP sources, each of the 18 inputs have a frame sync designed to re-time the input video signal to the EQX frame reference signal. The EQX-IP18-IPG can also de-embed the audio from the selected 18 input video signals for packetized TDM audio routing.

The EQX Input and IP Gateway Module provides a future proofing answer to SDI based router and infrastructure, allowing a smooth integration under the MAGNUM Unified Control system for Evertz' Software Defined Video Network (SDVN) solution.

Like all other EQX input cards, the EQX-IP18-IPG is cooled by the EQX-FAN-BIN, fully hotswappable and accessed from the front of the EQX frame. The EQX router can be loaded with a maximum of 32 EQX-IP18-IPG modules providing square and non-square matrix configurations from as small as 18 inputs through to 576 inputs.

The EQX-IP18-IPG hybrid input card provides a gateway to link into IP infrastructures as well as allow a more efficient way to tieline routers together. IP based video packetized and transported over fiber will provide greater density and longer distances than coax based solutions would yield, yet still maintaining the low latency and proper SDI SMPTE switching capabilities in the EQX.
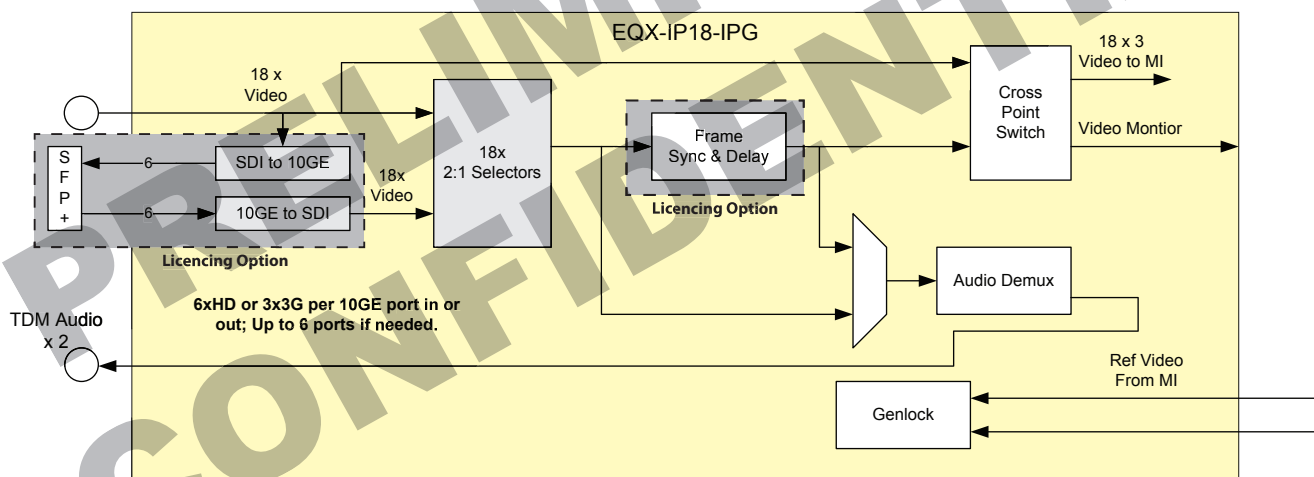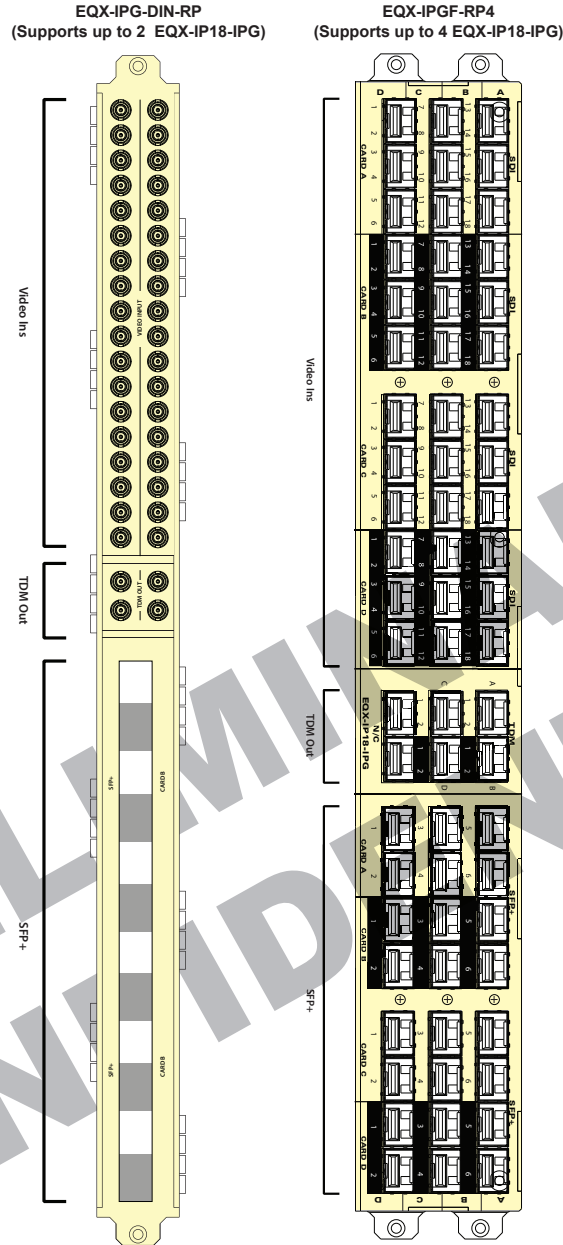
▶Features & Benefits

- 18 SD/HD/3G SDI inputs
- 18 uncompressed IP inputs (de-encapsulators)
- 18 uncompressed IP outputs (encapsulators)
- 10GbE interfaces
- Full Audio demux (AVIP) for all sources (SDI or IP, 18 total), over TDM so that it can be routed/processed separately
- Control is made simple using MAGNUM Unified Control System
- *Fully compatible with all EQX frame models*

- *Full frame sync for all sources (SDI or IP, 18 total)*
- 4 additional frames of delay can be added
- Output phase adjustment with respect to reference
- Input expansion in increments of 18, from 18 through to 576
- Access to all modules from front of the EQX
- All modules are hot-swappable
- Fan cooled by EQX-FAN-BIN

The Complete Solution Provider

EQX-IPG-DIN-RP
(Supports up to 2 EQX-IP18-IPG)

EQX-IPGF-RP4
(Supports up to 4 EQX-IP18-IPG)

▶Specifications

Video Input:

Formats:	SMPTE ST 259, SMPTE ST 292-1, SMPTE ST 424
Number of video Inputs: 18	

TDM Output:

Number of TDM outputs:	2

Ethernet Interface:

Ethernet/IP Signaling:	Multicast IGMP V2/V3
Connectors:	6 SFP+

Physical Module (number of slots in EQX Frame): 1

▶Ordering Information

EQX-IP18-IPG	EQX Input and IP Gateway Module

SFP+ Modules:
+SFPTRI3-10G   10GE optical 1310nm Network Transceiver
*Contact factory for additional interface options

Rear Panel:
EQX-IPG-DIN-RP   Supports up to 2 EQX-IP18-IPG
EQX-IPGF-RP4   Supports up to 4 EQX-IP18-IPG

Licencing options:
+SFP-10GE (IP encapsulation, IP de-encapsulation, Frame Sync & delay)

Options for EQX-IPGF-RP4 rear panel only

Video input SFP Modules:
SFP3R-DIN2-3G   Dual DIN 3G/HD/SD-SDI SFP Receiver
SFP3R-2   Dual optical 3G/HD/SD-SDI SFP Receiver

TDM Audio SFP Modules:
SFP3T-DIN2-3G   Dual DIN 3G/HD/SD-SDI SFP Transmitter