

7890IXG

Internet Exchange Gateway

The 7890IXG provides an ideal option for delivering high-quality contribution video over unmanaged IP networks using Evertz' ARQ (Automatic Retransmit Query) or RIST (Reliable Internet Stream Transport) technologies. With the proliferation of greater Internet access bandwidth, broadcast professionals have a viable economical alternative to transporting video over higher cost dedicated managed IP links or fiber optics.

The 7890IXG can feature Forward Error Correction (with IXG-FK-FEC feature key) which allows for a seamless error-free delivery of audio and video streams over any network that is not optimized for media transport. For streaming security the 7890IXG is capable of AES128 encryption of streams (with IXG-FK-E128 feature key).

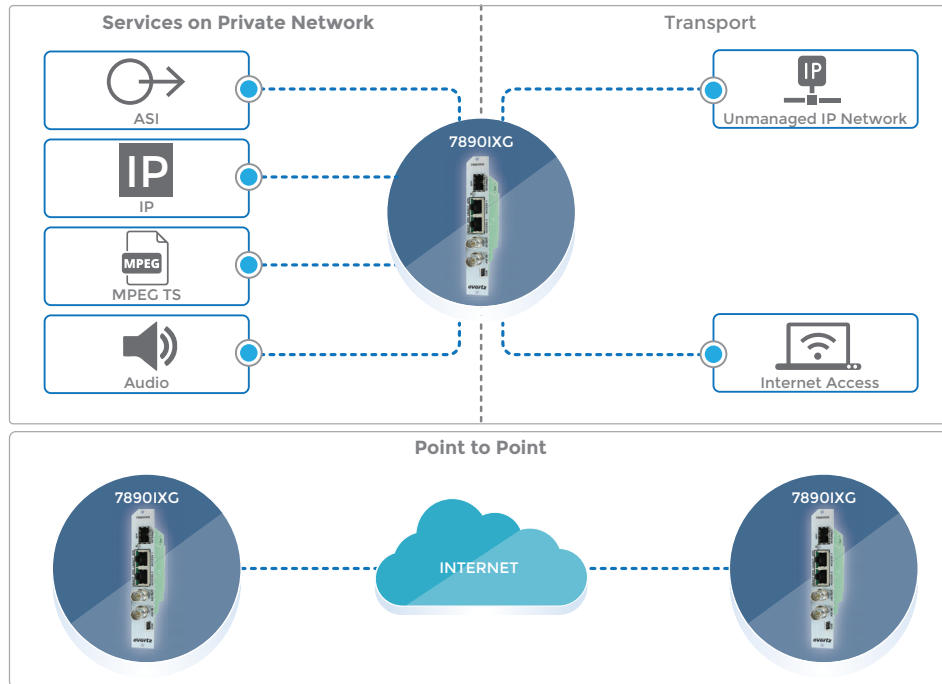
In addition to an on-board web interface, the 7890IXG module is VistaLINK® PRO capable, offering remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP). This offers the flexibility to manage operations, including signal monitoring and module configuration from an SNMP-capable NMS.

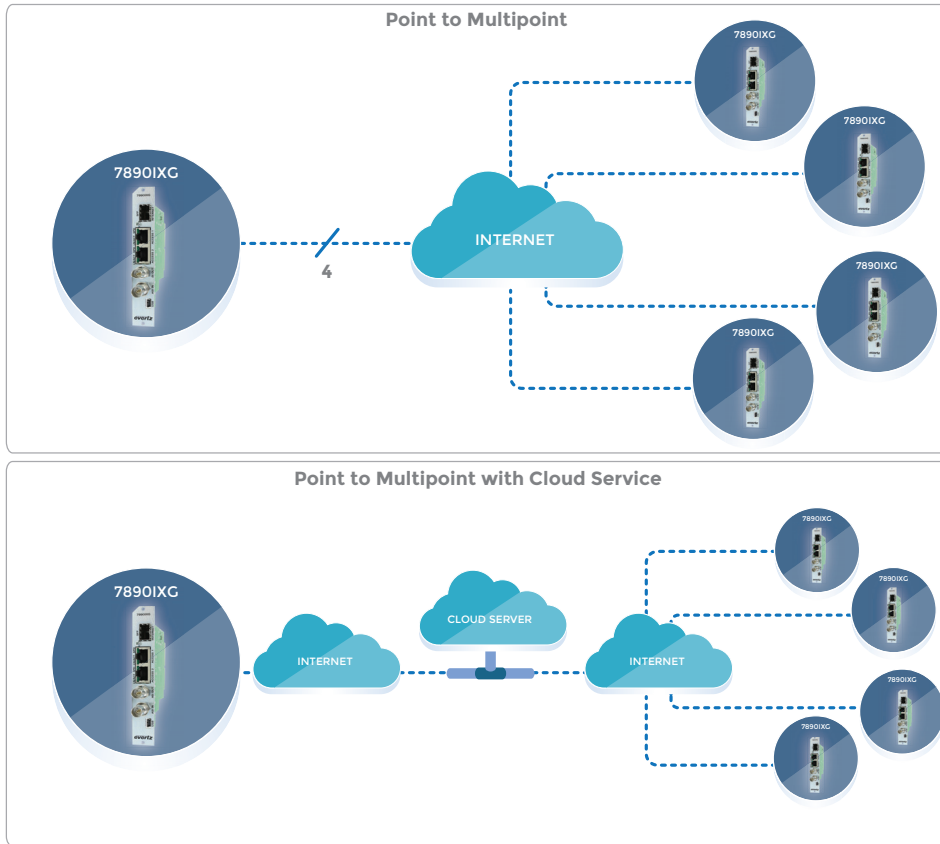
The 7890IXG is a one-slot module that can be housed in the 7800FR or 7800FR-QT frames, which have a 15-module slot capacity.



►Features & Benefits

- Broadcast quality transport over unmanaged IP networks
- Advanced rate control for maximum link utilization
- Forward Error Correction available (with IXG-FK-FEC)
- Stream secured using high-strength encryption (with IXG-FK-E128)
- Fast media services launch
- Transmit or receive transport streams on a per-license basis
- Compatible with cloud services server to send streams to multiple IXG clients
- Supports IP and ASI transport streams
- Low cost media contribution over unmanaged IP networks
- Fast deployment of ad-hoc media services
- VistaLINK® PRO capable for remote monitoring, control and configuration capabilities via SNMP
- Redundant power supply chassis
- Hot-swappable module without need for re-cabling in event of failure
- Portable or rack mounted frame assemblies
- High-density approach offers 15x modules within 3RU
- Supports VSF TR-06 RIST





Specifications

<p>Inputs & Outputs 1x ASI input per DVB TR 101 891 1x ASI output per DVB TR 101 891 1x RJ-45 10/100/1000 GbE I/O for MPEG-2 TS over IP 2x RJ-45 10/100/1000 control/data interface port</p> <p>Network Interface: Standard: Ethernet 10/100/1000 Base-T IEEE 802.3ab standard for 1000Mb/s Connector: RJ-45</p>	<p>Network Management: Control: HTTP/HTTPS true SNMP with VistaLINK® PRO serial RS-232 at card edge</p> <p>Monitoring: Signal Detection: Signal presence detection Error Notification: HTTP web browser status page SNMP trap notification Card edge LED</p>	<p>Electrical: Voltage: +12V DC Power: 18W EMI/RFI: Complies with FCC Part 15 Class A, EU EMC Directive</p> <p>Physical (number of slots): 7800FR: 1 7800FR-QT: 1 7801FR: 1</p>
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Ordering Information

7890IXG	Internet Exchange Gateway
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Rear plate must be specified at time of order (Eg. Model +3RU).
 Multiple licenses can be ordered depending on quantity required.

Ordering Options:

IXG-FK-E128	Encryption of the stream using AES128
IXG-FK-FEC	Forward Error Correction option

Licenses:

7890IXG-CK-T	Single 7890IXG transmit license for sending a single source
7890IXG-CK-R	Single 7890IXG receive license for receiving a single source
+DATAT	License for in-band tunneling

SFP Interface Options:
SFPTR-RJ45-SGM-AV
 Single 10/100/1000 RJ-45 SFP module

Rear Plate Suffix:
+3RU
 Rear plate for use with 350FR, 7700FRC or 7800FR multiframe

Enclosures:

350FR	3RU portable multiframe, holds up to 7x single-slot modules
7700FRC	3RU multiframe, holds up to 15x single-slot modules
7800FR	3RU multiframe, holds up to 15x single-slot modules
7801FR	1RU multiframe, holds up to 4x single- or 2 dual-slot modules
7701FR	1RU multiframe, holds up to 3x single- or dual-slot modules
S7701FR	Standalone enclosure