The 7700GPI VistaLINK® General Purpose Interface module links third-party equipment and Evertz VistaLINK® Network Management System (NMS). Third-party equipment with fault alarming capabilities through General Purpose Interface outputs (GPOs) can communicate fault alarm conditions to the VistaLINK® application software through this GPO to SNMP translator, thereby extending fault monitoring capabilities across the broadcast network.
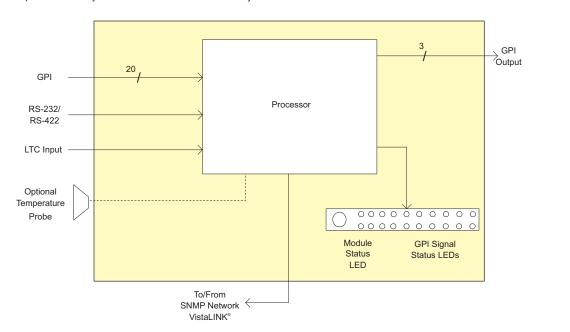
Equipped with a Linear Time Code (LTC) input, the 7700GPI module can synchronize logged fault alarms within the VistaLINK® application software with the facility clock for accurate alarm acknowledgement and record-keeping. In addition, it is possible to label each GPI input for easier notification. The label follows the fault message (trap) through to the VistaLINK® PRO server and onto email/pager notifications (if enabled).
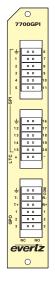
The GPI module is also equipped with three NC/NO GPI outputs (GPO) and can be utilized to relay a "message" from the VistaLINK® system to connected gear. Configuration changes or additional fault alarming are possible through this interface.

VistaLINK® offers remote monitoring, control and configuration capabilities via Simple Network Management Protocol (SNMP) giving the flexibility to manage operations, including signal monitoring and module configuration from SNMP-capable control systems (Manager or NMS).

▸Features & Benefits

• 20 opto-isolated General Purpose Interface inputs (GPI)
• Enabled GPI inputs/alerts translated and reported to Network Management System (NMS) user interface via SNMP
• Selectable +5V or +12V supply for driving GPI over longer cable runs
• 3 relay closure General Purpose Interface outputs (GPO)
• GPI/GPO easily accessed through pin-headers (2x6 Phoenix Terminal Blocks) on rear plate
• 1 LTC input for module synchronization of fault alarms to facility time

• Modular, conveniently fits into 7800FR 3RU frame
• Module status LED and 20 GPI LEDs for simple GPI input diagnostics
• Frame status trigger
• Jumper-configurable RS-232/RS-422 input serial COM port for serial protocol interface translation
• VistaLINK® -capable for remote monitoring and control via SNMP (using VistaLINK® PRO) when installed in 7800FR or 350FR frame with 7700FC VistaLINK® Frame Controller

▸Specifications

General Purpose Interface Input:
Number of Inputs:	20
Type:	Opto-isolated, active low with jumper selectable +5V or +12V supplied voltage
Connector:	Phoenix Terminal Block (2x6)
Signal Level:	Jumper selectable +5V or +12V

General Purpose Interface Output:
Number of Outputs:	3
Type:	"Dry Contact" relay closure
Connector:	2 pins per output on Phoenix Terminal Block (2x6)
Signal Level:	Normally closed and normally open

LTC Input:
Number of Inputs:	1 (± pair)
Type:	Balanced
Level:	100mV p-p
Connector:	Phoenix Terminal Block pins (2x6)

Data Input Serial Port:
Number of Ports:	1 RS-232 or 1 RS-422 (jumper selectable)
Connector:	Phoenix Terminal Block pins (2x6)
Baud Rate:	Up to 1Mbaud

Electrical:
Voltage:	+12V DC
Power:	6W
EMI/RFI:	Complies with FCC Part 15, Class A EU EMC Directive

Physical (number of slots):
350FR:	1
7700FR-C:	1
7800FR:	1

▸Ordering Information

7700GPI	VistaLINK® General Purpose Interface Module
Ordering Options	Rear Plate and Fiber Connector must be specified at time of order. Eg: Model +SC +3RU

Rear Plate Suffix
+3RU	3RU Rear Plate for use with 350FR, 7700FR-C or 7800FR Multiframe

Enclosures
350FR	3RU Portable Multiframe which holds up to 7 single slot modules
7700FR-C	3RU Multiframe which holds up to 15 single slot modules
7800FR	3RU Multiframe which holds up to 15 single slot modules

7700 Series Modular - VistaLINK® Monitoring & Control