



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).

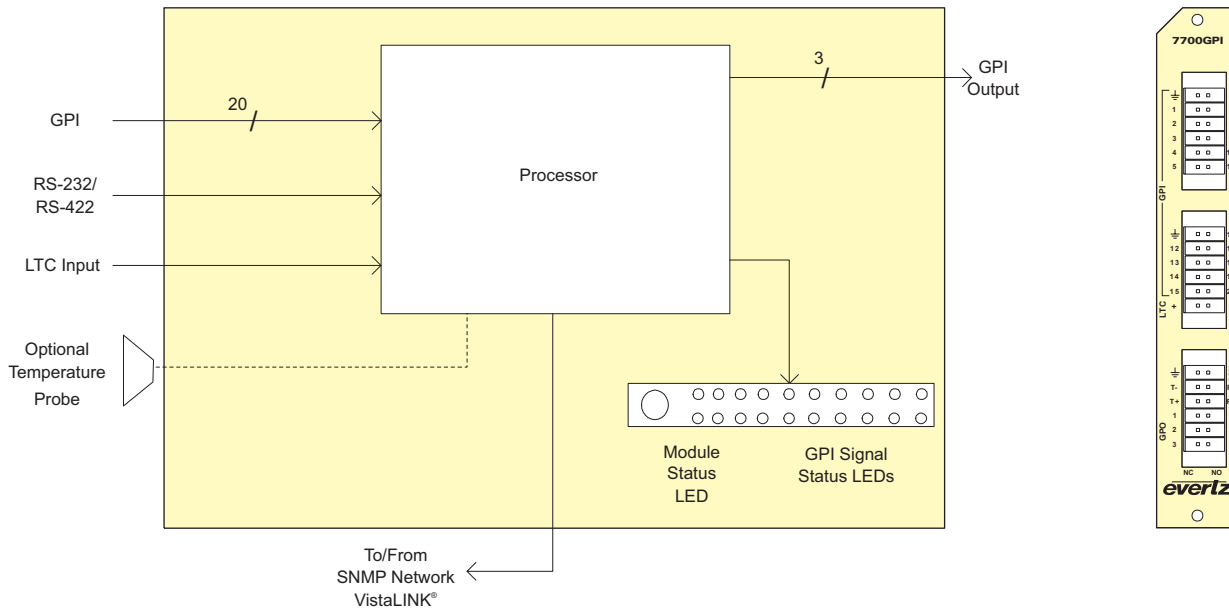
The GPI module is also equipped with three NC/NO GPI outputs (GPO) and can be utilized to relay a “message” from the VistaLINK® system to connected gear. Configuration changes or additional fault alarming are possible through this interface.

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

**LTC Input:**

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

**Electrical:**

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

**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

**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

**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**  
**7700FR-C**  
**7800FR**  
**7801FR**

3RU Portable Multiframe which holds up to 7 single slot modules  
 3RU Multiframe which holds up to 15 single slot modules  
 3RU Multiframe which holds up to 15 single slot modules  
 1RU Multiframe which holds up to 4 single or 2 dual slot modules