7700GPI

VistaLINK® General Purpose Interface Module

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.

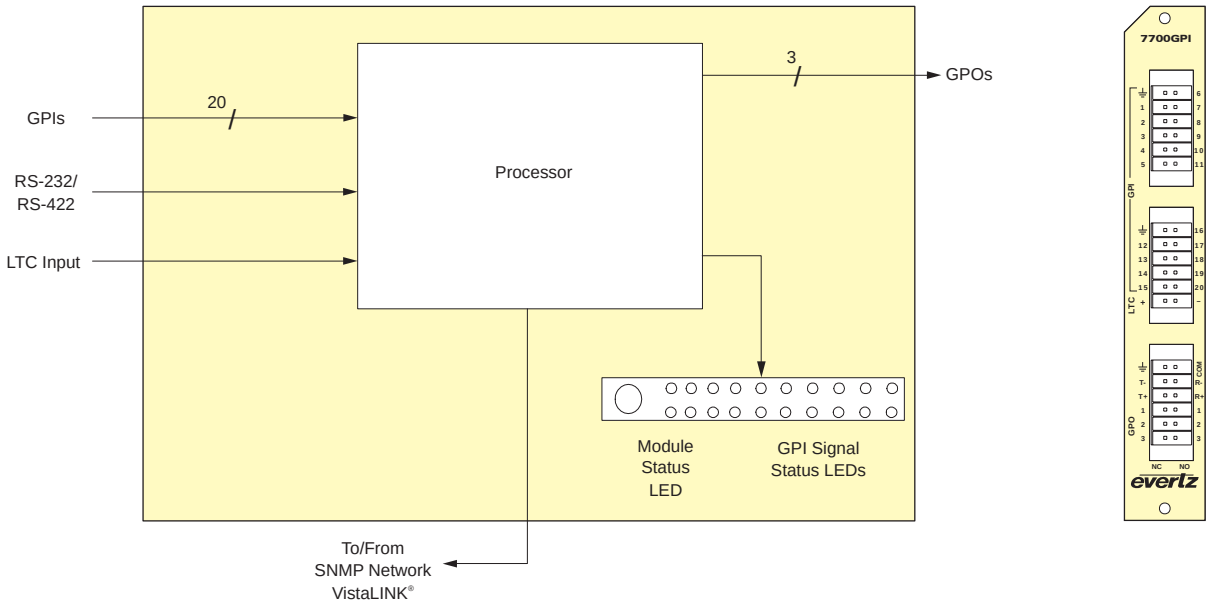
Equipped with a Linear Time Code (LTC) input, the 7700GPI module can synchronize logged fault alarms within the VistaLINK® application software with the facility clock for accurate alarm acknowledgement and record keeping. In addition, it is possible to label each GPI input for easier notification. The 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 is 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
- Three relay closure General Purpose Interface outputs (GPO)
- GPI/GPO easily accessed through pin-headers (2x6 Phoenix Terminal Blocks) on rear plate
- One 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 7700FCVistaLINK® 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
7801FR	1RU Multiframe which holds up to 4 single or 2 dual slot modules

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