7700GPI

VistaLINK™ General Purpose (GPI I/O) Interface Module

The 7700GPI VistaLINK™ General Purpose Interface module links third-party equipment and Evertz's VistaLINK™ Network Management System (NMS). Third-party equipment with fault alarming capabilities through General Purpose Interface outputs (GPO) 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.

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-enabled control systems (Manager or NMS).

Features

- 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 Pheonix Terminal Blocks) on rear plate
- 1 LTC input for module synchronization of fault alarms to facility time
- Modular, conveniently fitting into 7700FR-C 3RU frame
- Module status LED and 20 GPI LEDs for simple GPI input diagnositics
- Frame status trigger
- Jumper-configurable RS-232/RS-422 input serial COM port
- Optional air temperature probe for reporting frame temperature status (7700GPI-TP coming soon)
- VistaLINK™-enabled offering remote monitoring, control and configuration capabilities via SNMP. VistaLINK™ is available when modules are used with the 3RU 7700FR-C frame and a 7700FC VistaLINK™ Frame Controller module in slot 1 of the frame

Specifications

General Purpose Interface Input:	
Number of Inputs:	20
Type:	Opto-isolated, active low with jumper selectable +5V or +12V supplied voltage
Connector:	Pheonix 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:	100 mVp-p
Connector:	Pheonix Terminal Block pins (2x6)

Data Input Serial Port:

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

Electrical

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

Physical

Number of Slots:	1

Ordering Information

7700GPI:	VistaLINK™ General Purpose Interface
7700GPI-TP:	VistaLINK™ General Purpose Interface with temperature probe (coming soon)

Ordering Options:

Rear plate must be specified at time of order
Eg: **Model +3RU**

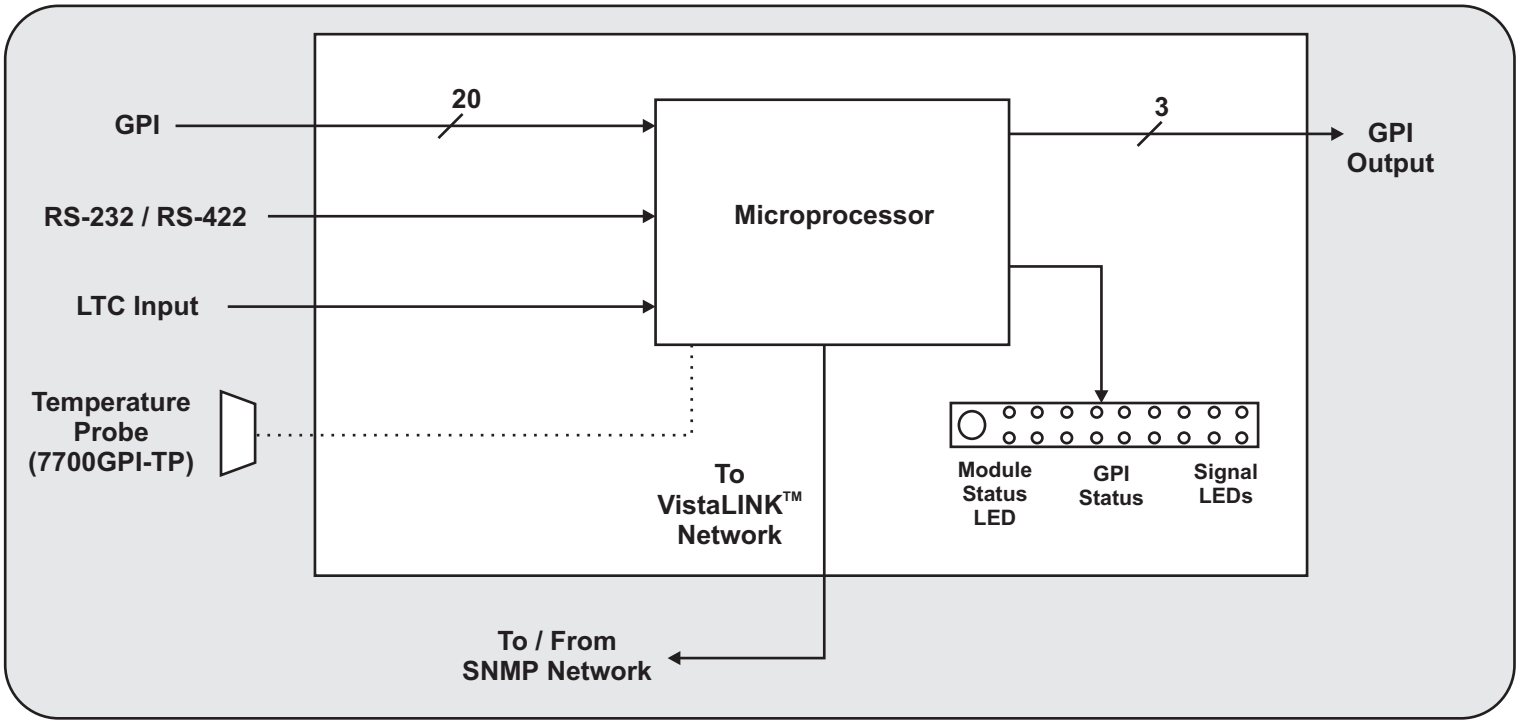
Rear Plate Suffix:

+3RU:	3RU rear plate for use with 7700FR-C Multiframe

Enclosures:

7700FR-C:	3RU Multiframe which holds 15 modules

7700GPI Block Diagram



7700GPI Rear Panel