

# IQCGPI

## General Purpose Interface

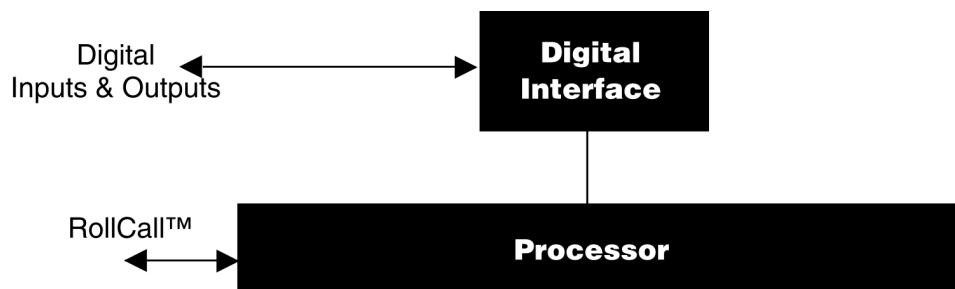
The IQCGPI provides a general I/O interface for external devices and all RollCall compatible products.

### Does this module suit your application?

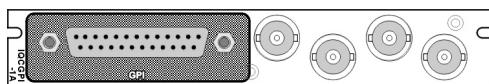
- 11 x GPI optically isolated balanced I/O interfaces
- 1 x GPI optically isolated unbalanced I/O interface
- Controls products on the RollCall network via external events, or vice-versa
- Interfaces simple external equipment to RollCall
- Multiple actions from one input with RollTrack
- External events produce RollCall logging messages
- Outputs may drive relays for triggering external equipment, or LEDs from RollCall events
- 100 mA 5 V power supply available on connector
- Windows software program for function set-up

### Why should you choose this module?

- Interfaces from simple external control panels or third party equipment to modules anywhere in the RollCall network, thus allowing for easy system integration
- Can provide multiple actions from one input via the RollTrack mechanism, thus triggering complex and interrelated functions
- A RollCall-based PC application allows assigning of GPIs to RollCall commands and events

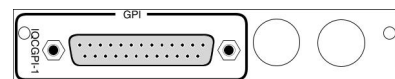


### Order codes for IQH3A enclosures



**IQCGPI-1A** General Purpose Interface, 11 Balanced, 1 Unbalanced output

### Order codes for other enclosures



**IQCGPI-1** General Purpose Interface, 11 Balanced, 1 Unbalanced output .

For more details on enclosure types please refer to the Frames/Enclosures section

# IQCGPI

General Purpose Interface

## Card Edge & RollCall Functions

### Indicators

Data Received  
PSU Overload

messages

RollTrack input triggers GPI output, plus additional RollTrack outputs

### Additional RollCall Functions

Configure GPI                      GPI input triggers RollTrack output(s)  
GPI input triggers RollCall logging

## Features & Specification

### Inputs/Outputs

GPI  
User Power Supply

Voltage                                      5 V ± 0.5 V  
Maximum Current                        100 mA  
Maximum Load                            short-circuit

### Inputs-Outputs

Connector/ Format                      25 way D-type, 11 balanced Optically Isolated  
Connector/ Format                      25 way D-type, 1 unbalanced Optically Isolated

### EMC Performance Information

Environment                                Commercial and light industrial E2  
Peak Mains Inrush Current            No mains input following a 5 second mains interruption  
Performance Information                No performance degradations or cable length limitations

### Input Specification

Voltage Limits                            -5 V to +30 V  
Logic 1                                        +2.5 V to +30 V

### Power Consumption

Module Power Consumption            2.3 W max

### Output Specification

Maximum On Current                    50 mA

### Power Source