



## GPIO-16

### General Purpose Input Output Interface

Each GPIO-16 interface provides 16 opto-isolated inputs and 16 relay outputs. The GPI inputs can be set up to remotely controlled keypanel keys to activate intercom ports, party lines, relay outputs, etc. within the intercom system. The relay outputs are typically assigned for activation from keypanel keys. They can be used to control lighting or to key remote transmitters, paging systems, etc. Relays can be assigned to keys via the AZedit intercom configuration software. The GPIO-16 supports two communication modes: RS-485 serial and ethernet.

### Features

#### AZedit Software

The GPIO-16 unit is configured using the AZedit intercom configuration software. AZedit is also used to assign the GPIO-16 to relay groups.

#### Communications

The GPIO-16 now supports two communication modes; RS-485 Serial and ethernet. The GPIO-16 Ethernet supports either 10 Mbps or 100 Mbps connection speeds.

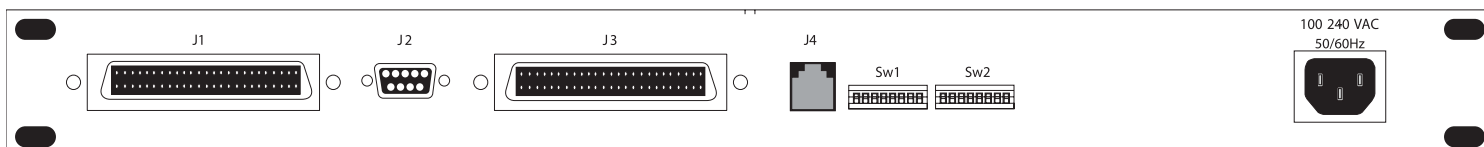
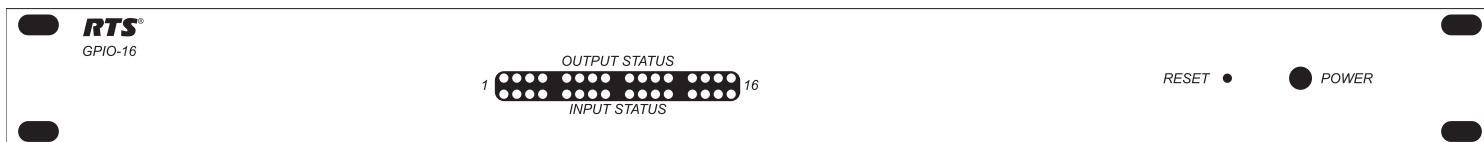
#### Connections

- 50-pin Telco General Purpose Input and Output Connection
- DB-9 Serial Connection (RS-485)
- RJ-45 Ethernet Connection

#### Multiple Interfaces per ADAM Frame

Up to 16 GPIO-16's can be supported by a single ADAM frame

### Line Drawing



# GPIO-16 Specifications

## Power

100-240 VAC, 50/60 Hz (dynamic switching)

## Dimensions

1 RU high x 7" (178mm) deep behind front panel

## General Purpose Inputs

Type: optically coupled

Input Requirements: 5-15VDC

## General Purpose Outputs

Type: DPDT Relays with common, normal-open and normal-closed contacts

Contact Ratings: 0.3A @ 120VAC; 1A @ 30VDC; 30W (DC), 375 VA (AC)

## Serial Connection

Type : DB-9

Pin 1 Data +

Pin 2 Data -

## Ethernet Connection

Type: RJ-45

J1 TX +  
 J2 TX -  
 J3 RX +  
 J6 RX -  
 J4 N/A  
 J5 N/A  
 J7 N/A  
 J8 N/A

Optically-Isolated Input Numbers		
PIN NO	CHAN	DESC
34	1	+Input
9	1	-Input
35	2	+Input
10	2	-Input
36	3	+Input
11	3	-Input
37	4	+Input
12	4	-Input
38	5	+Input
13	5	-Input
39	6	+Input
14	6	-Input
40	7	+Input
15	7	-Input
41	8	+Input
16	8	-Input
26	9	+Input
1	9	-Input
27	10	+Input
2	10	-Input
28	11	+Input
3	11	-Input
29	12	+Input
4	12	-Input
30	13	+Input
5	13	-Input
31	14	+Input
6	14	-Input

Optically-Isolated Input Numbers		
PIN NO	CHAN	DESC
32	15	+Input
7	15	-Input
33	16	+Input
8	16	-Input
17		No Connection
23		No Connection
42		No Connection
48		No Connection
18		+15 VDC
19		+15 VDC
20		+15 VDC
21		+15 VDC
22		+15 VDC
43		+15 VDC
44		+15 VDC
45		+15 VDC
46		+15 VDC
47		+15 VDC
24		Ground
25		Ground
49		Ground
50		Ground

### Contact Information

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Form Number: LIT0000108000 Rev A  
 Date: July, 2007

### Ordering Information

**GPIO-16**  
 General Purpose Input Output Interface  
 Catalog Number:  
 90007842000 US Power Cord  
 90007842100 Euro Power Cord  
 90007842200 UK Power Cord

This specifications information is preliminary and is subject to change without notification.  
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