

## Technical Data Sheet

Innovating the Future of Global Communications

# GPIO-16 General Purpose Input Output Interface

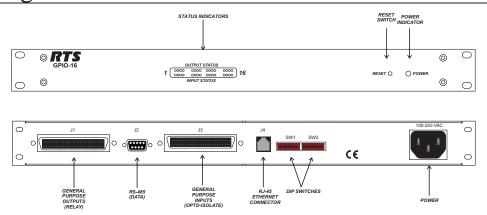


Each GPIO-16 interface provides 16 opto-isolated inputs and 16 relay outputs. The GPI inputs can be set up to remotely controlled keypanel keys to activate intercom ports, party lines, and relay outputs within the intercom system. The relay outputs are assigned for activation from keypanel keys. They can be used to control lighting or to key remote transmitters, and paging systems. Relays can be assigned to keys via the AZedit intercom configuration software. The GPIO-16 supports two (2) communication modes: RS-485 serial and Ethernet.

#### **Features**

- The GPIO-16 unit is configured using the AZedit intercom configuration software. AZedit is also used to assign the GPIO-16 to relay groups.
- The GPIO-16 now supports two (2) communication modes; RS-485 serial and Ethernet.
- The GPIO-16 Ethernet supports either 10Mbps or 100Mbps connection speeds.
- 50-pin telco general purpose input and output connection
- DB-9 serial connection (RS-485)
- RJ-45 Ethernet Connection
- Up to 16 GPIO-16's can be supported by a single ADAM frame

## Line Drawing



## **Specifications**

#### **Dimensions**

Numbers PIN NO

35

10

36

11

37 12

38

13

39

14

40

15

41

16

26

27

2

28

3

29

4

30

1 RU H x 7" (178mm) D 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), 375VA (AC)

CHAN

**DESC** +Input -Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

+Input

-Input

**Optically-Isolated Input** 

2

2

3

3

4

4

5

5

6

6

7

8

8

9

9

10

10

11

12

13

13

#### **Serial Connection**

Type: DB-9 Pin 1 Data+ Pin 2 Data-

#### **Ethernet Connection**

Type: RJ-45 Pin 1 TX+ Pin 2 TX-Pin 3 RX+ Pin 6 RX-Pin 4 N/A Pin 5 N/A Pin 7 N/A Pin 8 N/A

Numbers	Optically-Isolated Input
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Optically-Isolated Input Numbers				
PIN NO	CHAN	DESC		
31	14	+Input		
6	14	-Input		
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		

RELAY OUTPUT NUMBERS					
	RELAY CONTACT PIN NUMBERS				
Channels	NC	Common	NO		
1	38	13	40		
2	39	14	15		
3	41	16	43		
4	42	17	18		
5	44	19	46		
6	45	20	21		
7	47	22	49		
8	48	23	24		
9	26	1	28		
10	27	2	3		
11	29	4	31		
12	30	5	6		
13	32	7	34		
14	33	8	9		
15	35	10	37		
16	36	11	12		

## **Order Information**

GPIO-16 • GPIO-16 • US Power Cord GPIO-16-EURO • GPIO-16 • Euro Power Cord GPIO-16-UK • GPIO-16 • UK Power Cord

The specification information is preliminary and is subject to change without notification. Brand names mentioned are the property of their respective companies.



Date: November 2011

