

GPIO-16

General Purpose Input Output Interface

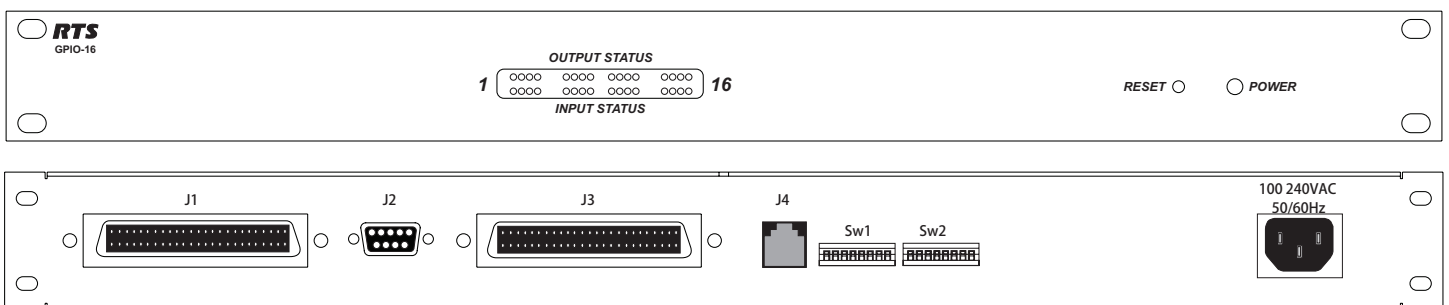


Each GPIO-16 interface provides 16 opto-isolated inputs and 16 relay outputs. The GPI inputs can be set up to remotely controlled keypanel keys to activate intercom ports, party lines, and relay outputs within the intercom system. The relay outputs are assigned for activation from keypanel keys. They 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

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)

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

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

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.

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