

# Network Alarm GPIO Expansion Module



<b>Model no</b>	
nGPIO	Alarm GPIO Expansion Module
<b>Electrical</b>	
Alarm Input	TTL x 4
Alarm Type	NO or NC
Control Output	Relay x 4
Relay Rating	110Vac/10A, or 220Vac/5A
Communication Mode	RS232 or RS485 selectable
No. of Cascaded Module	Up to 8 modules per node (8 ID selectable)
Max. IO per IP	Alarm Input x 32, Rely Output x 32
Protocol Baud Rate (bps)	2,400/ 4, 800/ 9,600/ 19,200/ 38,400/ 57,600/ 115,200 bps selectable

<b>Power Requirement:</b>	
Input Range	DC 12V, 350mA
Power Consumption	Less than 5W

<b>Mechanical:</b>	
Dip Switch	x 7
Small Terminal	3.5mm pitch x 12 (refer to the right chart)
Big Terminal	5mm pitch x 12 (refer to the right chart)
Enclosure	Aluminum Material
Dimension	97 (L) x 82 (W) x 33 (H) mm
Weight	< 300g

<b>Environment:</b>	
Operating	0 to 50°C, 10% to 80% R.H. (non-condensing)
Storage	(-)10 to (+) 70°C, 5% to 95% (non-condensing)

<b>Approvals</b>	CE, FCC, RoHs
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nGPIO

ID Setting				Baud Rate Setting				Rs232/ 485	
#1	#2	#3	#4	#5	#6	#7	Bits/sec (bps)	#8	Type
0	0	0	0	ID 00	0	1	1,200	0	RS485
1	0	0	0	ID 01	1	0	2,400	1	Rs232
0	1	0	0	ID 02	0	0	4,800		
1	1	0	0	ID 03	1	1	9,600		
0	0	1	0	ID 04	0	1	19,200		
1	0	1	0	ID 05	1	0	38,400		
0	1	1	0	ID 06	0	0	57,600		
1	1	1	0	ID 07	Not used! Reserved for future expansion				
0	0	0	1	ID 08					
1	0	0	1	ID 09					
0	1	0	1	ID 10					
1	1	0	1	ID 11					
0	0	1	1	ID 12					
1	0	1	1	ID 13					
0	1	1	1	ID 14					
1	1	1	1	ID 15					

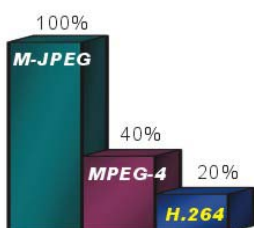
3.5mm pitch		5mm pitch		
#1	DC12VIn	#1	Relay Output 1	NO1
#2	Power GND	#2		Comm
#3	Tx	#3		NC1
#4	Rx	#4	Relay Output 2	NO2
#5	DT+	#5		Comm
#6	DT-	#6		NC2
#7	Alarm In GND	#7	Relay Output 3	NO3
#8	Alarm In GND	#8		Comm
#9	Alarm 1	#9		NC3
#10	Alarm 2	#10	Relay Output 4	NO4
#11	Alarm 3	#11		Comm
#12	Alarm 4	#12		Nc4

Specifications are subject to change without notice.

## Technology



## File Size



## Video Quality

