

# StarNET

evolution of proven technology

2 way Backplane  
4 way Backplane



## FEATURES

- StarNET mother board
- 2 & 4 way variant
- Plug & play design
- Up to 2/4 plug-in cards per motherboard
- Supports access control and alarm management
- Tamper protected enclosure

Central to the suite of StarNET products is the 2 or 4 way Backplane unit. This is a motherboard that allows various modules from the range to interface to the StarWatch master station.

## Remsdaq Part Number 12268 & 12278

The StarNET Backplane utilises rapid installation KRONE connectors to interface all of the associated door wiring for an access control system and also to interface any alarm inputs or control outputs associated with an integrated system.

Power connections for door locks are made using heavy duty terminal blocks thereby allowing suitable gauge cabling to be utilised.

Each Backplane is able to accommodate 2/4 processor cards from each of the top right, bulleted list with the first slot containing card guides for the StarNET ACP.

Communications across the Backplane make use of the CAN Bus network running at 125 Kbits / second. Up to 8 two-way Backplane units or up to 4 four-way Backplane units can be connected together provided that the total network distance is less than 400m.

The StarNET Backplane is housed in a lockable metal enclosure. The Backplane features a tamper switch.

### Dimensions

400mm x 400mm x 200mm (enclosure).  
257.8mm x 238.8mm - 4-way.  
257.8mm x 160mm - 2-way.

### Power Supply

+12 volts, 4A D.C. supply (not furnished).

### Environmental Specification

Operating temperature range -40°C to +70°C.  
Storage temperature range -40°C to +70°C.  
The 12268 and 12278 operates with a relative humidity of up to 95% (non-condensing) at a temperature of +40°C.

### EMC Requirements

BS EN 55022 Radiated and Conducted Emissions.  
BS EN 50082-1 Generic Immunity.

### Modules which can be supported by the Backplane include:-

- 12269 – StarNET ACP
- 12270 – StarNET TDEM
- 12271 – StarNET IOM

### Krone Connections

Krone No	StarNET ACP 12269	StarNET TDEM 12270	StarNET IO 12271
1	Door 1 +5V	Door 1 +5V	Input 1
2	Door 1 +12V	Door 1 +12V	OV
3	Door 1 OV	Door 1 OV	Input 2
4	Door 1 Reader 1 D0/CLK	Door 1 Reader 1 D0/CLK	OV
5	Door 1 Reader 1 D1/Data	Door 1 Reader 1 D1/Data	Input 3
6	Door 1 Reader 1 Wait LED	Door 1 Reader 1 Wait LED	OV
7	Door 1 Reader 1 Error LED	Door 1 Reader 1 Error LED	Input 4
8	Door 1 Reader 1 Proceed LED	Door 1 Reader 1 Proceed LED	OV
9	Door 1 Reader 2 D0/CLK	Door 1 Reader 2 D0/CLK	Input 5
10	Door 1 Reader 2 D1/Data	Door 1 Reader 2 D1/Data	OV
11	Door 1 Reader 2 Wait LED	Door 1 Reader 2 Wait LED	Input 6
12	Door 1 Reader 2 Error LED	Door 1 Reader 2 Error LED	OV
13	Door 1 Reader 2 Proceed LED	Door 1 Reader 2 Proceed LED	Input 7
14	Door 1 Input 1	Door 1 Input	OV
15	OV	OV	Input 8
16	Door 1 input 2	Door 1 input	OV
17	Door 2 + 5V	Door 2 + 5V	RL1 NC
18	Door 2 +12V	Door 2 +12V	RL1 NO
19	OV	OV	RL2 NC
20	Door 2 Reader 1 D0/CLK	Door 2 Reader 1 D0/CLK	RL2 NO
21	Door 2 Reader 1 D1/Data	Door 2 Reader 1 D1/Data	RL3 NC
22	Door 2 Reader 1 Wait LED	Door 2 Reader 1 Wait LED	RL3 NO
23	Door 2 Reader 1 Error LED	Door 2 Reader 1 Error LED	RL4 NO
24	Door 2 Reader 1 Proceed LED	Door 2 Reader 1 Proceed LED	RELAY1-4 COM
25	Door 2 Reader 2 D0/CLK1	Door 2 Reader 2 D0/CLK	RL5 NC
26	Door 2 Reader 2 D1/Data	Door 2 Reader 2 D1/Data	RL5 NO
27	Door 2 Reader 2 Wait LED	Door 2 Reader 2 Wait LED	RL6 NC
28	Door 2 Reader 2 Error LED	Door 2 Reader 2 Error LED	RL6 NO
29	Door 2 Reader 2 Proceed LED	Door 2 Reader 2 Proceed LED	RL7 NC
30	Door 2 input 1	Door 2 input 1	RL7 NO
31	OV	OV	RL8 NC
32	Door 2 input 2	Door 2 input 2	RELAY5-8 COM

### Terminal Block Connections

Krone No	StarNET ACP 12269	StarNET TDEM 12270	StarNET IO 12271
TB-1	RS485 A -ve		RS485 A -ve
TB-2	RS485 B +ve		RS485 B +ve
TB-3	RS485 OV		RS485 OV
TB-4	RS485 screen		
TB-5	Door 1 Relay com	Door 1 Relay com	
TB-6	Door 1 Relay contact	Door 1 Relay contact	
TB-7	Door 2 Relay com	Door 2 Relay com	
TB-8	Door 2 Relay contact	Door 2 Relay contact	



Remsdaq Limited, Parkway, Deeside Industrial Park, Deeside, Flintshire, CH5 2NL, United Kingdom.  
tel: +44 (0) 1244 286495 fax: +44 (0) 1244 286496 web: www.remsdaq.com mail: sales@remsdaq.com Registered in England No. 3417251.

Remsdaq has a policy of continuous product development and improvement.  
Whilst all information is correct at the time of going to press, we reserve the right to make changes without notice. All trademarks are duly acknowledged.