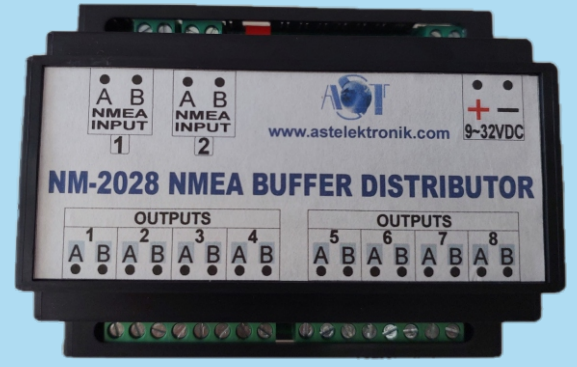


NM-2028

NMEA BUFFER

DISTRIBUTOR

2 IN / 8 OUT



The NM-2028 NMEA distributor has two independent isolated data inputs and can distribute data to up to eight outputs. The NM-2028 features three operating modes, single mode, dual mode and auto-dual mode.

In single mode, data from one input and distribute it to eight outputs.

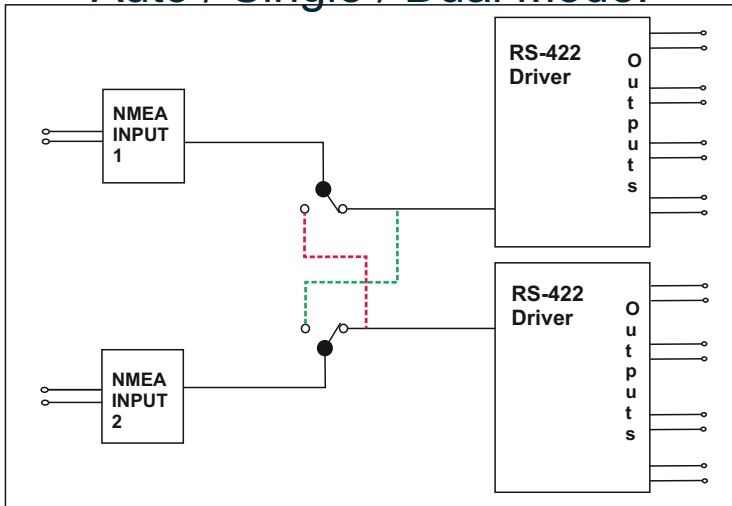
In dual mode the distributor can be used as two independent distributor with one input and four outputs.

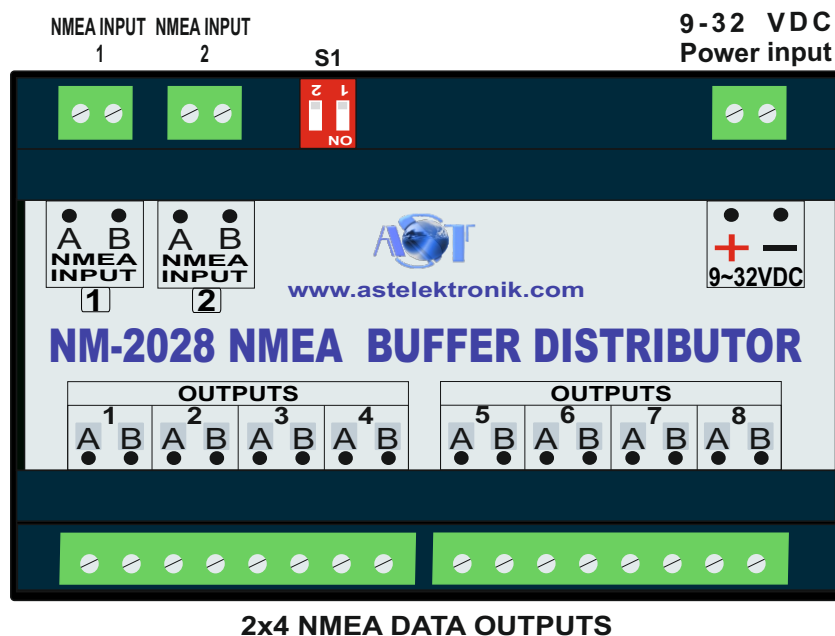
Auto Switch / Dual Mode: If input NMEA 1 is lost for 30 seconds, the buffer will automatically switches to NMEA input 2. Two independent buffers with 1 input and 4 output signals according to the DIP switch setting.

Technical Specifications

- ❑ Isolated 9-32VDC Power supply
- ❑ 24VDC 0.3 A Power consumption
- ❑ Reversed power polarity protection
- ❑ 2 x Independent galvanic isolated input ports (RS232-RS422-RS485)
- ❑ 2 X 4 RS422 Outputs
- ❑ Input / Output speed 2400 to 230400 bps
- ❑ Auto / Single / Dual Mode operating
- ❑ NMEA Inputs LEDs indicator
- ❑ Screw type terminals
- ❑ ABS- DIN Rail Mount Box 105 x 86 x 58

Auto / Single / Dual Mode:





Terminal Connections

NM-2028-M NMEA Buffer Operation:

1 IN 8 OUT : Manual Mode: 1 input and 4 or 8 outputs can be selected as standard.

NM-2028-M Jumper Settings:

	NMEA 1 Input 4 Outputs	NMEA 1 Input 8 Outputs	NMEA 2 Input 4 Output	NMEA 2 Input 8 Outputs
NM-2028-M	JP1 SHORT JP2 OPEN JP3 OPEN JP4 OPEN	JP1 SHORT JP2 SHORT JP3 OPEN JP4 OPEN	JP1 OPEN JP2 OPEN JP3 OPEN JP4 SHORT	JP1 OPEN JP2 OPEN JP3 SHORT JP4 SHORT

NM-2028-MD NMEA Buffer Operation:

2 IN 4+4 OUT: Manual / Dual mode: Operate as two independent buffers with 1 input and 4 outputs.

NM-2028-MD Jumper Settings:

	NMEA 1 Input 4 Outputs NMEA 1 Input → Outputs 1,2,3,4	NMEA 2 Input 4 Outputs NMEA 2 Input → Outputs 5,6,7,8
NM-2028-MD	JP1 SHORT JP2 OPEN JP3 OPEN JP4 OPEN	JP1 OPEN JP2 OPEN JP3 OPEN JP4 SHORT

NM-2028-AD NMEA Buffer Operation:

S1 DIP Switch:

- ✧ S1-1 On: Auto switch mode
- ✧ S1-1 Off: Dual mode
- ✧ S1-2: Not used.

Jp1, Jp2, Jp3, Jp4 jumpers must be open!

Auto mode: The priority is always on NMEA 1 input. If the signal at NMEA input 1 is lost for 30 seconds, the buffer automatically switches to NMEA input 2. If data comes from the first input, the buffer immediately switch NMEA 1 input is selected and transferred to the outputs.

Dual mode: Two independent buffers with 1-in and 4-out signals.
It switches the signal at NMEA 1 input to NMEA outputs 1, 2, 3, 4.
It switches the signal at NMEA 2 input to NMEA outputs 5, 6, 7, 8.

Outline Drawing:

