

# ZNC-514

## 14ch NMEA Combiner (Multiplexer)

### ■ Introduction

**ZNC-514 14ch NMEA Combiner (Multiplexer)** has 14 NMEA 0183 inputs and one Ethernet (TCP/IP-UDP) / RS422 / RS232 / NMEA 2000 (optional) outputs.



This is very useful for interfacing most navigation / communication equipment with such ECDIS, VDR and RADAR, because one ZNC-514 provides all NMEA 0183 data for many equipment simultaneously.

It provides NMEA 0183 data through Ethernet with TCP/IP-UDP port and RS422/232 simultaneously, and through optional NMEA 2000.

This was designed for considering high reliability and in accordance with IEC61162-1/2 standard.

### ■ Specifications

#### Input

NMEA 0183	<ul style="list-style-type: none"> <li>- 13 Input Ports</li> <li>- NMEA 0183 (IEC61162-1) Standard Compliance</li> <li>- Supports Up to 38,400bps (115,200bps is only channel 13)</li> </ul>
NMEA 0183HS	<ul style="list-style-type: none"> <li>- 1 Input / Output (Bi-directional)</li> <li>- Galvanic Isolation with Main Circuit and Input Power</li> <li>- Supports Up to 115,200bps</li> </ul>

#### Output

Ethernet & TCP/IP	<ul style="list-style-type: none"> <li>- 100 BaseT, Automatic Tx/Rx Sense</li> <li>- UDP Port (More equipment can receive NMEA Data simultaneously)</li> <li>- Single UDP Port (5000), or Multiple UDP Port (5001~5014) per each input</li> <li>- Selectable appending input channel number if using single UDP</li> <li>- Telnet port for hardware configuration : IP Address, UDP Port, Baud Rate</li> </ul>
RS422	<ul style="list-style-type: none"> <li>- Output multiplexed NMEA Data (Selectable appending Input channel number)</li> <li>- Supports Up to 115,200bps</li> <li>- Compliance with NMEA 0183 (IEC61162-1) Standard</li> </ul>
RS232	<ul style="list-style-type: none"> <li>- Logically same as above RS422 Port</li> </ul>

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- Used for both Output and Console Port

**Console port**

RS232

- Both Tx/Rx (Same Port as above RS232)
- Hardware Configuration : IP Address, UDP Port, Baud Rate
- Firmware Upgrade

**Power**

Input Voltage

- DC 18~32V, Approximately 300mA at 24V DC, Max 10W
- Electronic Fuse, No Replacement Required

**Physical specifications**

Dimension/Weight

- 253 x 200 x 48 mm / 2.0 kg (10 x 7.9 x 1.9 in / 4.4 lb)

Terminal

- Removal Screw Terminal Blocks

**Option**

- NMEA 2000, TCP Port and DC12V are available, please contact us.

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**■ Remark**

- 1) If you need any other specifications, please contact us.
- 2) This specification may be changed without notification.