

ONWA®

MARINE ELECTRONICS



*New MCU with
built-in WIFI*

MODEL

KC-2W

N2K (NMEA2000) and NMEA0183 Bidirectional Converter

- NMEA2000 Certified
- Converts NMEA 0183 sentences to N2K PGNs
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- Built-in WIFI Solution **NEW!**
- Take power from the N2K network, no external power supply is needed
- Configurable NMEA0183 baudrate
- Opto-isolated on N2K CAN bus
- Support RS232 and RS422 on NMEA0183 input/output
- Auto detect NMEA0183 baudrate and supported sentences
- Firmware upgrade and NMEA0183 output baudrate by webpage configuration
- Plug and play installation

Options:

RS232 to USB converter



SPECIFICATIONS

Power supply (N2K Port)

Electrical:

9 ~ 30VDC

Current drain:

50ma at 12VDC

Protection:

Overvoltage, power transient and accidental reverse polarity protection

N2K Port (IEC61162-3)

Support PGNs

126992 , 127237, 127245, 127250 , 127251 , 127258 ,
127488, 128267, 128275, 129025 , 129026 , 129029 ,
129033 , 129038, 129039, 129040, 129041, 129044 ,
129283 , 129284 , 129291 , 129539 , 129540 , 129793 ,
129794 , 129795, 129797, 129798 , 129801, 129802,
129809 , 129810, 129811, 129812, 130306 , 130310 ,
130311 , 130312

Electrical:

Opto-isolated on N2K Can bus

Connector:

M12 male

Cable length:

1.2 meter

Factory default:

All above supported PGNs are enabled

NMEA0183 Port (IEC61162-1)

Supported sentences:

AAM, AMB, APB, BBM, BWC, DBT, DPT, DSC, DSE, GGA,
GLL, GSA, GST, GSV, HDG, HDM, HDT, HSC, MDA, MTW,
MWD, MWV, RMB, RMC, ROT, RPM, RSA, VBW, VDM, VDO,
VDR, VHW, VLW, VTG, VWR, XTE, XDR, ZDA

Electrical:

Output: RS422 & RS232

Input: RS422 & RS232

Baudrate:

Input: Auto detect (up to 115200)

Output: Configurable (factory default 38400)

Factory default:

All above supported NMEA0183 are enabled

Environmental conditions

Working temperature:

-20°C to +55°C

Humidity:

93% ±% on 40°C

Waterproofing:

IPX67

DIMENSIONS (Measurement in mm)

Note:
All specifications are
subject to change without
prior notice

