# A036 N2K WiFi/USB Converter / Voyage Data Recorder | Maritec Solutions

## FEATURES (CONTINUE)

Converts the most common NMEA 2000 PGNs to / from NMEA 0183 sentences over WiFi and USB

Records all NMEA 2000 network activity for system diagnosis and performance analysis

Circular buffer preserves latest recorded data while oldest data overwritten when SD card is full

Galvanic opto-isolation on NMEA 2000 CAN bus connection

Free Firmware updates provided when new features and conversions are added. (Update via USB from Windows PC)

Pre-fitted cables for ease of installation

Recorded data in selectable format: NMEA 0183 or PCDIN (NMEA 2000 raw data)

Read to access 'Quark-cloud'

WiFi supports Ad-hoc, station and standby mode

## FEATURES

NMEA 2000 to WiFi and USB gateway

Integrated SD card (32GB) for voyage data logging

## PRODUCT OVERVIEW

Our A036 is a sophisticate NMEA 2000 to WiFi/USB Bi-directional Converter with integrated vessel data recorder (VDR).

The A036 transfers data from an NMEA 2000 backbone to any compatible device connected to it via WiFi or USB port. With it, the N2K network data can be viewed in the chart plotter. The WiFi and USB connections are bi-directions so the chart plotter can also send cross track and waypoint information to an NMEA 2000 autopilot to steer a programmed course.

The A036 records the messages transmitted on the NMEA 2000 network. All messages are then stored within an integrated SD card. The stored data can be uploaded to Quark-cloud or accessed over SD card reader (not provided), and with an up to 32GB space SD card, 7 weeks or even more of vessel data can be stored.

The A036 can be used out of the box for standard functionality or configured for uploading data to Quark-cloud.

Compatible with NMEA 2000 Chart plotters, Windows, Mac OS X, Linux systems (Full functionality, though the configuration is through a Windows application)

Compatible with Android and iOS (All functionality excluding USB connection and Configuration)

## *SPECIFICATIONS*

| Item | Description |
|---|---|
| DC supply | 12.0V (+/-10%) from NMEA 2000 backbone |
| Average supply current | 45 mA |
| Maximum supply current | 95mA |
| NMEA data format | ITU/ NMEA 2000 and 0183 format |
| NMEA 2000 port baud rate | 250kbps |
| NMEA 2000 Compatibility | Fully NMEA 2000 certified |
| N2K LEN | 2 |
| WiFi mode | Ad-hoc, Station modes on 802.11 b/g |
| WiFi Security | WPA/WPA2 |
| Network Protocols | TCP |
| Cable Length NMEA 2000 | 1 m |
| Operating Temperature | -20°C to +55°C |
| Storage Temperature | -30°C to +70°C |
| Recommended Humidity | 0 - 93% RH |

## *CONNECTIONS*

| Connection | Specification |
|---|---|
| NMEA 2000 | Bi-directional NMEA 2000 LEN2 |
| WiFi Interface | Bi-directional WiFi |
| USB Interface | 1 x Bi-directional USB Type B Micro |
| Storage | SD card slot (32GB) |
| LED Indicators | Power, NMEA 2000 and WiFi |

## *WHAT'S IN THE BOX*

1 x A036 Unit + NMEA 2000 drop cable 1m
1 x WiFi Antenna
1 x USB Cable
1 x Setup Guidebook

*Specifications and features may change without prior notice.*