

GPS receiver with SiRF StarIII recommended for new engineering projects.

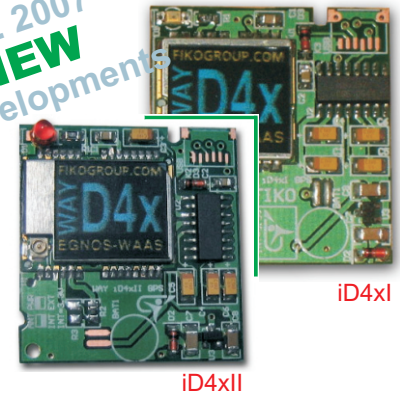
Developed by FIKO Technologies

WAY iD4x GPS receiver

The WAY iD4x GPS receiver are designed to be integrated into new GPS projects and comes with 40-pin SMD board-to-board connector for easy mounting into new PCB designs.

FIKO's WAY iD4x GPS receivers are small and lightweight GPS modules that comes with guaranteed long-term form factor. The modules are plug-in versions and got both TTL and RS-232 signal outputs with direct to USB as option.

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NEW
Development



WAY iD4x GPS Systems



CE RoHS FC

READY TO GO WITH NMEA or SiRF BINARY MAP SOFTWARE

FIKO
SOFTWARE

If you're looking for a professional GPS receiver to be included into new GPS projects then a good option is FIKO WAY iD4x GPS receiver based on SiRF StarIII chipset with both NMEA and SiRF Binary protocols.

iD4x has TTL I/O port for direct connections to microcontroller as well as RS-232 for direct connection to PC COM port (12V via on-board chip).

Single voltage input

iD4x is designed for single 5V DC input as the 12V needed for RS-232 is taken care of by internal circuits. The module contains 3.3V LDO regulator. 5V supply voltage can also be provided directly from USB port. If the iD4xI-U or iD4xII-U version is used, then the 5V can be powered directly via the on-board USB connector.

1PPS voltage selector

The device provides a very precise one-pulse-per-second line at 3.3V. If however 5V DC or higher is required, the full User's manual provides circuit sample on how to archive this.

Optional antenna power

WAY iD4x provides option to the standard 3.3V antenna power if needed. You can therefore add external antenna power to supply i.e. 6, 9 or 12V to antenna. All GPS functions are available on the male 40-pin board-to-board connector for flexible design. Female version of the same connector is available upon request.

Sample ordering

As iD4xI and iD4xII is a highly professional GPS receiver module, FIKO accept shipment of maximum 5 units for testing and evaluation where we also provides know-how and technical support if needed. Complete data is found in the Datasheet for iD4xI and iD4xII.

Good GPS sensibility

The rapid time-to-fix and high sensitivity of WAY iD4x GPS receiver module plus its precise design and architecture does meet rigorous demands for precise and interruption free localisation in many indoor environments like i.e. parking houses, shorter tunnels and in cities with many high-rise buildings or other obstacles like trees and other objects.

GPS DLL for software developers

FIKO DOES provides fast and highly reliable Direct Memory Access-based GPSWAY32.DLL that handles all NMEA GPS as well as some SiRF commands through RS-232 or USB virtual COM-ports. Other DLL's for map functions, POI's, way points and mathematics used in navigation are also available.

WAY iD4x FEATURES

- High performance SiRF StarIII GPS receiver
- 20 channel input (12ch + 8ch)
- RS-232 and TTL I/O data, USB optional
- I-PEX MHF Connector for active 3.3V GPS antenna (antenna line available for i.e. direct connections)
- External antenna power option for i.e. 5, 6 or 12V
- LED active FIX indication
- EGNOS and WAAS functions
- 3.3V 1 PPS output for i.e. synchronisation to Galileo, Glonass or other systems.
- Low weight
- Small compact size
- Easy to install board-to-board connector
- 1 year guarantee and free support

For further information and data sheet, please contact;



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