

Owasys OWA2x Family

Owasys are a technical organisation, established in the GPS/GPRS communications market place. Formed from employees of the SONY/Ericsson company, their expertise in this market is highly proficient. They have structured their organisation to produce high specification products in order to serve a worldwide market and are focused on providing excellent business partnerships.

The OWA2x family of products are designed for GPS, GPRS and GSM wireless communications applications. Designed around industry standard components (Arm 7 core) and Linux operating system the products can be integrated into customer solutions without major product re-design. The module is a fairly compact size considering its capability and the family of products utilise common enclosures for standardisation. The products also incorporate Bluetooth and Ethernet capability should it be a customer requirement. Battery back up is provided.

Key Features

- Open architecture allowing configuration to the customers application
- Industry standard components for ease of integration
- GSM dual band (900/1800 MHz) and GPRS class B approved
- Embedded IP allowing efficient data transfer across wireless networks
- TCP/IP functionality without the need for Ethernet presence
- Possibility to overlay a virtual JAVA machine operating system should the customer desire (not highly recommended though due to complexity of marrying the operating system and API's together).
- RS232, RS485, CAN, Audio and general purpose digital and analogue interfaces.
- High specification operating and storage temperature range.
- 1Mbyte FLASH and 2Mbyte RAM available for the customer software application.
- Enclosure sizes small and weight only 290 grams.
- Nominal voltage range 12 to 36Vdc.
- Powerful combination of GPS, GPRS, GSM, Bluetooth and Ethernet.
- Standard Development kit available, common to the family of products.

Benefits

- Modular and open design allows customers flexibility in how they utilise the units.
- Provides the ability to develop applications and add further units in a structured, straightforward manner.
- Ability to interface with other Bluetooth devices enabling enhanced networking opportunities.
- The module provides a powerful solution to many tracking and M2M applications.
- Standard operating system such as Linux provides most integrators with a platform they are familiar with.
- Strength of a highly technical organisation behind the product who are committed to the long-term support of the wireless market.
- Wide range of operating voltages allowing compatibility with varied application power sources.
- Integrated battery back up and additional battery units available.
- Wide range of standard interconnections.
- One of the most versatile modules available in the market place.
- Relatively small, lightweight package, easily mounted into equipment or vehicles.
- Can be used with solar panels for re-charge.
- Generous memory availability for customer application software.
- Compatible with all wireless networks.