



Used by some of the most innovative auto manufacturers in the world, our Advanced Vehicle Diagnostic products such as the IRIS 1002 replace cumbersome and sometimes costly equipment with an out of the box solution. It conforms to industry standard file formats such as Glyphworks S3T and DIAdem and forms an essential part of our offering.

- ↪ All remote communications are encrypted for data security and integrity
- ↪ Web based communication server manages bi-directional communications between multiple units including data uploads over WiFi or 3G (HSDPA)
- ↪ Open architecture SQL/Linux server database available as a dedicated server solution for volume users or in a virtual server configuration for smaller scale users
- ↪ File conversion algorithms support industry standard durability software packages including HBM nCode Glyphworks

IRIS 1002

The IRIS 1002 is designed for Automotive OEMs and other customers who need to acquire and analyse multiple channels of high-speed data from mobile vehicles or remote equipment. It uses the latest digital signal processing techniques and communications technology to provide a flexible and cost effective solution for testing programs that cannot be undertaken with conventional data acquisition equipment.

It is a highly scalable solution capable of supporting up to 5000 vehicles simultaneously.

Four Channel CANBus / Flexray Data Acquisition Device with Video Capability.

The IRIS 1002 is the most advanced remote data acquisition unit available for operation on GSM and WiFi. Up to 4 CANBus interfaces (2 Flexray) may operate simultaneously as well as a media channel capable of acquiring real time video or supporting other demanding high-speed data acquisition requirements. The 1002 supports 802/11g WiFi and USB for high-speed data download locally or via a remote access point.

Technical information can be found at:
<http://wiki.iris-technology.co.uk/home>



IRIS 1002 CAN-based Data Logger

As a 2-4 CANBus data logging device with support for GSM, 3G, USB, WiFi comms methods, it also has a CF Card that can be removed. Data can be auto downloaded and converted into different file formats such as csv, nCode S3T, DIAdem etc.

Autobus

Autobus is a Sensor to CANBus module which seamlessly converts analogue signals to digital values synchronised to the CANbus data.

It is a proprietary data network based on SAE J1939 providing multi-channel inputs for a wide range of transducers and protocol converters. One or more of the IRIS 1002 CANBus interfaces may be configured to use Autobus providing analogue inputs for strain gauges, pressure and temperature transducers as well as protocol converters such as RS232 to CAN and J1708 to J1939. Up to 256 data channels may be supported at data acquisition rates of 1000 Hz.

Our specialist knowledge in the Automotive sector means IRIS is unique in its ability to provide an end to end CANbus data acquisition solution:

- Design and build Web based data acquisition systems
- Communications Networks including WIFI, 3G GSM and RF
- The provision of flexible communications protocols allows disparate systems to be seamlessly interconnected
- The IRIS 1002 and FMS hardware provided remote CANbus
- Data acquisition and file processing compatible with Glyphworks S3T, National Instruments DIAdem and other industry formats

In summary, we provide an exceptionally high specification CANbus data acquisition and communication telematics solution that conforms to the highest industry standards.

Please see our contact details below.
We would be delighted to hear from you.