



## Standard ECOM Device

### Standard ECOM Software Features

- Easy-to-use API supports most programming languages:
  - C, C++, Visual Basic, VBA for Excel, C#, J#, .NET, Java, and any other language that can load a DLL file.
- Supported by Windows 2000, XP, Vista, 7, 8, 10 and 11.
- Can easily handle full bus loads at up to 1Mbit/s.
- Includes examples of capturing CAN data directly from Microsoft Excel, C/C++, Java, LabView and C# .NET.
- 29-bit, 11-bit, Error frames, remote transmission and hardware based self-reception all supported.
- Hardware timestamps with 64us resolution.



### Standard ECOM Hardware Features

- Includes a sealed 15-foot USB cable for easy connection to distant engine compartments or test cells.
- EPC connector interfaces with 8-pin diagnostic connector on engine harness.
- Completely powered by the USB bus on your laptop or PC (<125mA @ 5V).
- Circuit board is protected by an environmentally resistant conformal coating.
- CAN port is electrically isolated for robust and reliable connection.

#### Environmental

- Operating temperature range 0°C to 70°C
- Storage temperature range -40°C to 85°C
- Humidity 0-90% non-condensing

#### Status LED Operation

- The power LED turns red when first plugged into a PC, and then changes to green once the Windows drivers have been fully installed and loaded to enable straightforward diagnosis of connection issues.
- USB & CAN activity LEDs flashes green to provide indication of successful communications and display red in the case of communication errors.

### Notes

- Standard ECOM kits (Part Numbers E2046012, E2046014, and E2046015) are only for use with custom user-developed software and will not work with CANCapture.
- CANCapture ECOM kit (Part Number E2046013) will work with both custom user-developed software and CANCapture software.
- See [www.econtrols.com](http://www.econtrols.com) for latest ECOM driver installation, customer drawing and other support documentation.