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Automation News  
April 2015

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What we do:  
**Industrial Automation Products**

*PAC/PLC's, SCADA/HMI, RTU's,  
IoT/M2M, Protocol Gateways,  
A-B Migrations/Upgrades*

**See us at OTC!**



See SoftPLC products and personnel at the [Offshore Technology Conference 2015](#) in the [Texas Sensors & Controls](#) Booth #6301 (in the Arena).

Houston NRG Park  
May 4-7th

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**CAN / J1939 Interface Now Available!**

Our Smart® [SoftPLC PAC's](#) and protocol conversion [Gateways](#) can now be equipped with an internal interface to support sensors, engines, and other systems/devices that communicate using CAN or J1939 protocol.



Bi-directional (read/write) support for raw CAN and J1939 devices is supported at baud rates up to 250KB.

- Bridge from CAN / J1939 devices to controllers, computers, or other systems using a SoftPLC Gateway. Up to 16 different protocols can be configured on a single Gateway.
- Integrate CAN / J1939 sensors, engines,

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and other devices to a SoftPLC based control system.

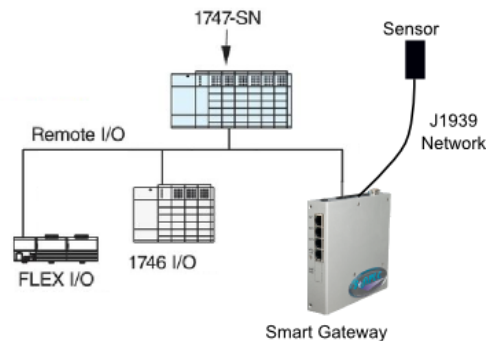
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### **Application Example:**

## **Smart Gateway interfaces J1939 sensor to SLC-500 system**

A [Smart Gateway](#) is a low-cost protocol converter "on steroids". The base unit includes a managed Ethernet router and 6 serial ports, which can be configured for a range of protocols. Among these protocols are J1939 and Allen-Bradley Remote I/O (RIO).

The customer needed to interface an engine sensor to an existing SLC-500 controller. In this case, due to the distance of the sensor from the PLC and since the SLC-500 already utilized a RIO Scanner module (*Cat No 1747-SN*), remote I/O was selected as the most efficient way to access the sensor data.



A Smart Gateway, equipped with CAN and A-B RIO Adapter (Slave) interfaces, provides the engine data to the SLC-500 over the "blue hose". The Gateway appears as a remote rack to the SLC-500, which made it easy to integrate the sensor data into the ladder logic.

Other available connection options could have been selected. For example, Data Highway Plus, DF1 or Ethernet interfaces in the SoftPLC Gateway could be used with peer-to-peer messaging (MSG instructions) to send the sensor data to an A-B PLC. For other manufacturer's controllers, Modbus or ModbusTCP are just a few of the choices possible with a Smart Gateway.

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