



Product List for 2017

Forensic Link Adapter

The FLA is an embedded field computer to extract and preserve Electronic Control Unit (ECU) data from heavy vehicles. Includes:

- AC/DC Power Supply
- Cigarette Lighter Adapter
- 9-pin Diagnostic Connector to DB15 Cable
- Green J1939 Type II adapter (**NEW!**)
- 9-Pin to 6-Pin Adapter
- PACCAR J1939 Type II cable (**NEW!**)
- Ethernet cable
- USB cable
- USB to Ethernet Adapter
- GPS Antenna
- Rugged carrying case
- Updates are Internet based



Price: \$2000

(Requires TruckCRYPT Software Subscription)



TruckCRYPT Software

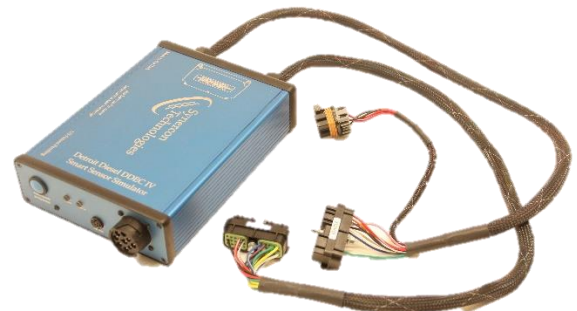
A software service that runs on the Forensic Link Adapter and the Synercon Technologies Server that encrypts, preserves, authenticates, decodes and interprets heavy vehicle digital forensic data. The following unlimited plans are available:

- 1 year subscription: **\$2000**
- 3 year subscription: **\$6000**

The annual maintenance fee provides access to the account and any software updates for the Forensic Link Adapter or TruckCRYPT service.

Smart Sensor Simulator

An electronic hardware device to simulate the connection to a working vehicle. The SSS will work with any vehicle diagnostic adapter. It simulates sensors by using resistors, voltage generators pulse width modulated (PWM) outputs, and J1939 messages. The SSS is used when the electrical system of a vehicle is compromised and the vehicle ECUs need to be examined off the vehicle. The long interface cables also give the ability to connect to an ECU while it is still mounted on the vehicle.





Smart Sensor Simulator Products

Product	Description	Price
SSS-ADEM4	Smart Sensor Simulator for Caterpillar ADEM 4 ECMs. Includes ECMs from SDP, LEE, and NSX serial number prefixes. (see Note 1)	\$1,995
SSS-CM570	Smart Sensor Simulator for Cummins CM570 engine control modules. (see Note 2)	\$1,995
SSS-CM850	Smart Sensor Simulator for Cummins CM850 engine control modules. (see Note 2)	\$1,995
SSS-CM870	Smart Sensor Simulator for Cummins CM870 engine control modules. (see Note 2)	\$1,995
SSS-CM871	Smart Sensor Simulator for Cummins CM871/CM875 engine control modules. (see Note 2)	\$1,995
SSS-CM2150	Smart Sensor Simulator for Cummins CM2150 engine control modules. (see Note 2)	\$1,995
SSS-CM2250	Smart Sensor Simulator for Cummins CM2250 engine control modules. (see Note 2)	\$2,495
SSS-DDEC4	Smart Sensor Simulator for a Detroit Diesel DDEC IV with optimized idle. (see Note 1)	\$1,995
SSS-DDEC5	Smart Sensor Simulator for a Detroit Diesel DDEC V with optimized idle. (see Note 1)	\$1,995
SSS-DDEC6	Smart Sensor Simulator for a Detroit Diesel Electronic Controller VI. (Approx 2007-2010).	\$1,995
SSS-DDEC10-CPC	Smart Sensor Simulator for a Common Power Train Controller (CPC2) for a DDEC10. The connections from the ACM, MCM, and other chassis modules are simulated. (see Note 1)	\$1,995
SSS-DDEC13-CPC	Smart Sensor Simulator for a CPC4 only from the Detroit Diesel DDEC GHG14 emissions engines. Connects to the CPC4 module and emulates the MCM, ACM, and TCM. (see Note 1).	\$2,995
SSS-MBE	Smart Sensor Simulator for Mercedes Benz Engines (MBE 4000 / MBE 900). Includes connections for the VCU and PLD. (see Note 1)	\$2,495
SSS-MaxxForce	Smart Sensor Simulator for Navistar MaxxForce Engines. (see Note 2)	\$2,495

All Smart Sensor Simulators are shipped with the appropriate hand tool, hard carrying case (17" x 7" x 14"), AC/DC desktop power supply, and a 12V cigarette lighter power adapter.

Note 1: These SSS units are tested to be free from diagnostic trouble codes with an exemplar ECU before shipping. Programming variations may exist, so Synercon Technologies cannot guarantee a fault free environment for other non-tested ECU configurations.

Note 2: These SSS units are built for enhanced communications. Some diagnostic trouble codes will be created when using these units.



The Smart Sensor Simulator is programmed to communicate on J1939 running at 250,000 bps. The newer 500k CAN enables ECUs will not communicate using the Smart Sensor Simulators.

A shipping and handling fee of \$40 is charged for each unit shipped in the Lower 48 states of the US for ground shipping. Expedited shipping charges are extra. Call or e-mail for an official quote.

New for 2017!

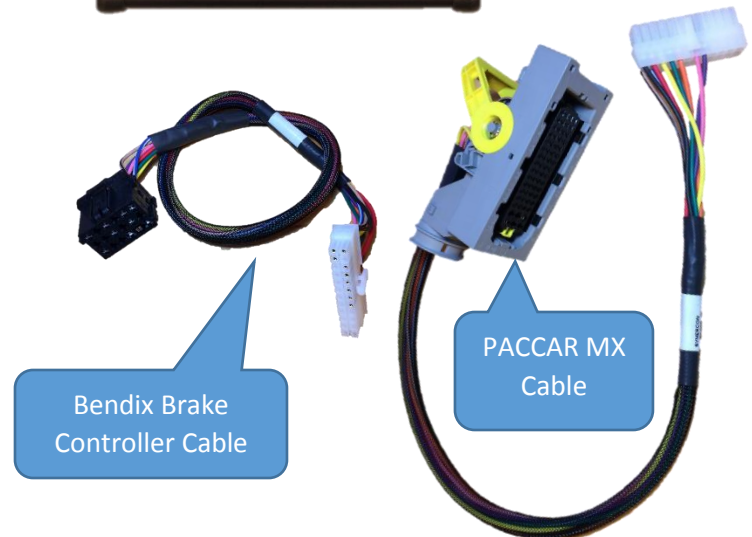
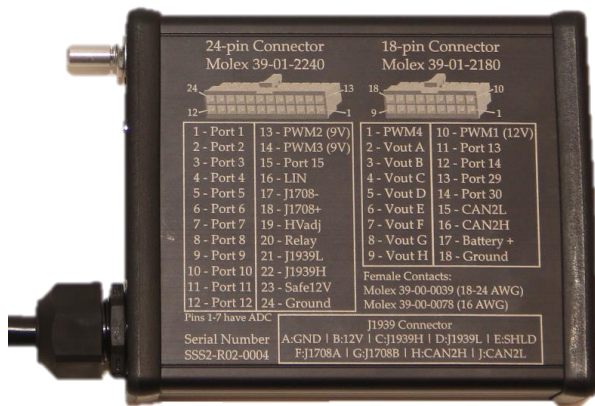


Smart Sensor Simulator 2

The Smart Sensor Simulator (SSS) version 2.0 is a 32-bit ARM Cortex M4 based heavy vehicle signal simulation and connectivity. The new SSS2 is a smaller, faster, universal approach to connecting to various electronic control units. The common exposed interface gives the ability to have a single SSS2 that will work across the spectrum of possible ECUs. The various SSS2 output ports are programmable, which makes the unit highly adaptable and customizable. SSS2 units can be linked together to include multiple modules on one system or provide more support for more complicated modules. The SSS2 comes with an AC/DC power adapter.

Call or e-mail for an official quote.

Price: \$5850



Smart Sensor Simulator 2 Cables

Product	Description	Price
SSS2-ADEM2	Fully populated cable assembly with two CAT 40 pin connectors for the ADEM 2	\$895
SSS2-ADEM3	Fully populated cable assembly with two CAT 70 pin connectors for the ADEM 3 and ADEM 2000.	\$895
SSS2-ADEM4	Fully populated cable assembly with a CAT 70 pin connector and a CAT 120 pin connector.	\$995
SSS2-CM500	Communications cable assembly for Cummins CM500 series ECMs (Deutsch Key 1)	\$495
SSS2-CM800	Communications cable assembly for Cummins CM800 series ECMs (Deutsch Key 4).	\$495
SSS2-CM2150	Communications cable assembly for Cummins CM2150 ECM (Deutsch Key 6).	\$495
SSS2-CM2250	Communications cable assembly for Cummins CM2250 ECM (Deutsch Key 7).	\$595
SSS2-CM2350	Communications cable assembly for Cummins CM2350 ECM (Delphi 96 Pin).	\$695
SSS2-DDEC4	Fully populated cable assembly for a DDEC IV with optimized idle.	\$795
SSS2-DDEC5	Fully populated cable assembly for a DDEC V with optimized idle.	\$795
SSS2-DDEC6	Fully populated cable for the Common Powertrain Controller (CPC) used in the DDEC VI.	\$795
SSS2-DDEC10	Fully populated cable for the CPC2 and CPC4 used in the DDEC 10 and 13, respectively.	\$895
SSS2-ACM	Communication cable for DDEC 10 or 13 Aftertreatment Control Module, ACM (21 pin connector)	\$395



Smart Sensor Simulator 2 Cables

Product	Description	Price
SSS2-MCM	Communication cable for a DDEC 10 or 13 Motor Control Module, MCM (21 pin connector)	\$395
SSS2-TCM	Communication cable for a DDEC 13/DT 12 Transmission Control Module, TCM (21 pin connector)	\$395
SSS2-MBE	Fully populated cable for the in-cab VCU module used in Mercedes Benz Engines.	\$895
SSS2-VCU/PLD	Fully Populated cable for Mercedes Benz VCU (cab) and PLD (engine) modules.	\$1295
SSS2-MX	Communications cable assembly for PACCAR MX ECUs using a gray 62-pin connector.	\$695
SSS2-MaxxForce	Communications cable assembly for Navistar MaxxForce ECMs using a Bosch 58-pin connector.	\$695
SSS2-Bendix	Communication cable for Bendix EC60 and EC80 in cab brake control modules.	\$595
SSS2-BDX-Chassis	Communication cable for Bendix chassis mounted brake controllers with Deutsch connectors.	\$645
SSS2-Wabco	Communication cable for Wabco Electronic Brake Controllers.	\$595
SSS2-PIGTAIL24	SSS2 interface cable with 24 pieces of 20 gauge GLX wire of different colors.	\$195
SSS2-PIGTAIL18	SSS2 interface cable with 18 pieces of 20 gauge GLX wire of different colors.	\$159
SSS2-COMM	Cable populated to connect the SSS2 with Power, Ground, J1708, J1939, and 3 extra wires.	\$129
SSS2-Resistor	Small cable add-on module with discrete resistor networks for static sensor simulation.	\$795
SSS2-CUSTOM	A custom cable for the SSS2 built for your specific application.	Call

Accessories

J1939 Type II for new PACCAR MX and older J1708 networks Price: \$150	
J1939 Type II Adapter. Converts older black plug to new green plug Price: \$49	
GPS magnetic antenna with 5m cable for FLA. Improves GPS lock time. Price: \$49	
AC/DC Power. 11 Amp 12V benchtop power supply. Price: \$129	

Contact: Dr. Jeremy Daily
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 Phone: (937) 238-4907

www.synercontechologies.com

The Ultimate

a kit with one of each

- Forensic Link Adapter
- TruckCRYPT 3 Year
- Smart Sensor Simulator 2
 - SSS2-ADEM2
 - SSS2-ADEM3
 - SSS2-ADEM4
 - SSS2-CM500
 - SSS2-CM800
 - SSS2-CM2150
 - SSS2-CM2250
 - SSS2-CM2350
 - SSS2-DDEC4
 - SSS2-DDEC5
 - SSS2-DDEC6
 - SSS2-DDEC10
 - SSS2-ACM
 - SSS2-MCM
 - SSS2-TCM
 - SSS2-MBE
 - SSS2-VCU/PLD
 - SSS2-MaxxForce
 - SSS2-MX
 - SSS2-Bendix In Cab
 - SSS2-Bendix Cassis
 - SSS2-Wabco

\$25,000 (a \$29,290 value)

Package Deals!

Engines Only

Bench download kit for most common ECMs

- Smart Sensor Simulator 2
 - Caterpillar
 - SSS2-ADEM3
 - SSS2-ADEM4
 - Cummins
 - SSS2-CM500
 - SSS2-CM800
 - SSS2-CM2150
 - SSS2-CM2250
 - SSS2-CM2350
 - Detroit Diesel
 - SSS2-DDEC4
 - SSS2-DDEC5
 - SSS2-DDEC6
 - SSS2-DDEC10
 - SSS2-ACM
 - SSS2-MCM
 - SSS2-MBE
 - Navistar and PACCAR
 - SSS2-MaxxForce
 - SSS2-MX
- \$15,000** (a \$16,870 value)