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**"Spin" Back**

 Daylight Saving Time ends Sunday, November 7. "Spin" your clocks back an hour.

**Holidays**

NVE will be **open** on Veterans' Day (Thursday, November 11).

We will be **closed** Thursday and Friday, November 25 and 26 for the Thanksgiving holiday.



Product support is available 365 days a year, including holidays, at:  
[sensor-apps@nve.com](mailto:sensor-apps@nve.com)  
or  
[iso-apps@nve.com](mailto:iso-apps@nve.com)

**NEW** Isolators with DC-DC Convertors

With recent introductions, NVE has a complete line of isolated data couplers and transceivers with integrated DC-to-DC converters.

**Revolutionary Technology**  
The parts are based on NVE's revolutionary IsoLoop<sup>®</sup> DC-to-DC converter technology and patented GMR isolation technology for best-in-class performance and miniaturization.

**Low Parts Count**  
The integrated DC-to-DC converters require no additional regulation and no ferrite beads for EMI mitigation.

**High Power**  
The 250 milliwatt DC-to-DC converters have enough current for plenty of bus nodes or external circuitry.

**Lowest Ripple**  
One millivolt peak-to-peak ripple on the DC-to-DC converter outputs is an order of magnitude less than conventional parts and means low noise and reliable systems.

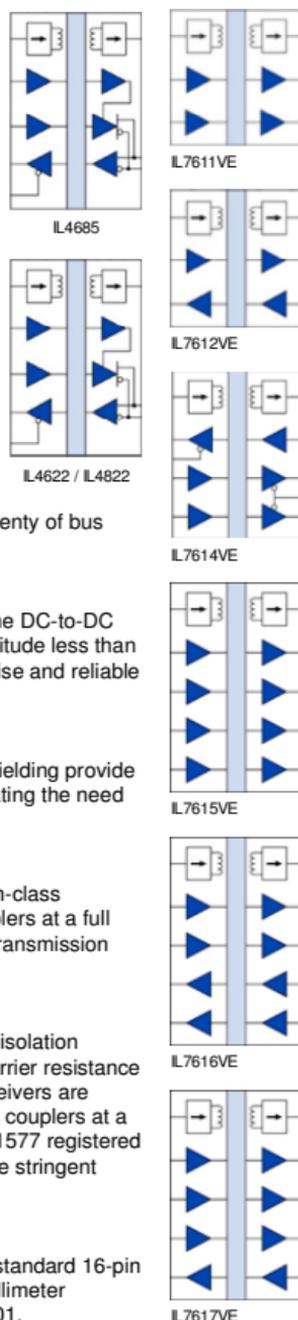
**Lowest EMI**  
Frequency hopping and integrated shielding provide the lowest EMI in the industry, eliminating the need for external shielding or ferrite beads.

**High Speed**  
The transceivers are rated at a best-in-class 40 megabits per second and the couplers at a full 110 megabits per second for speed, transmission distance, and signal fidelity.

**Full Isolation**  
A unique ceramic/polymer composite isolation barrier provides the industry's best barrier resistance and virtually unlimited life. The transceivers are rated at a full 2.5 kVrms, and the data couplers at a remarkable 4 kVrms. All parts are UL1577 registered and VDE V 0884-11 certified under the stringent new IEC 60747-17 requirements.

**Standard Package**  
The parts are packaged in a JEDEC-standard 16-pin wide-body package with true eight-millimeter creepage in accordance with IEC60601.

**A Range of Configurations**  
Various two-, three-, and four-channel data couplers are available for a variety of applications. The transceivers are available as half- or full-duplex with either a 3.3-to-3.3 volt DC-to-DC converter or 3.3-to-5 volt boost converter for five-volt RS-485 / RS-422 busses.



Model	Channel Config.	DC-to-DC Converter	Isolation	Features
<a href="#">IL7611VE</a>	2/0	250 mW 3.3-to-3.3 V	4 kVrms	110 Mbps
<a href="#">IL7612VE</a>	1/1			
<a href="#">IL7614VE</a>	2/1			
<a href="#">IL7615VE</a>	4/0			
<a href="#">IL7616VE</a>	2/2			
<a href="#">IL7617VE</a>	3/1	250 mW 3.3-to-5 V boost converter	2.5 kVrms	40 Mbps; up to 16.5 kV bus ESD
<a href="#">IL4622E</a>	RS-422/RS-485 full duplex			
<a href="#">IL4685E</a>	RS-485 half duplex			
<a href="#">IL4822E</a>	RS-422/RS-485 full duplex			

**Immediate Delivery**  
All nine models are [in stock](#) for immediate delivery.

- Demonstration Videos**
- [▶ IL7612 Demonstration »](#)
  - [▶ IL7617 Demonstration »](#)
  - [▶ IL4622 Demonstration »](#)

**Buy Online**  
\$9.95 shipping

**NEW** Ultrahigh Sensitivity Analog Sensor Assembly

By popular demand we're now offering a [preassembled circuit board](#) with a high-sensitivity [AAH002-02E sensor](#) and a differential amplifier circuit with a gain of 25. The board can be powered by a 2.7 to 12 V supply and provides a single-ended output with a typical sensitivity of 3.75 V/V/mT (375 mV/V/Oe).



AAH002-02E PCA

The circuit board is 12.5 x 7.8 mm, with Vcc, GND, and OUT plated-through holes for wires or a header.

**Buy Online**  
\$9.95 shipping