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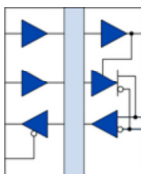
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**NEW Isolated Transceiver for 3V RS-485**

We've expanded our popular line of isolated transceivers with a part designed to work with next-generation RS-485 busses.



**3.3 V Busses**

The new IL3685P is compatible with 3.3V busses, has 1/5 Unit Loading to support up to 160 nodes, and 16.5 kV bus ESD protection. It's perfect for industrial control networks and DC-DC converter-powered busses.

**True 8 mm Creepage**

The unique wide-body SOIC is JEDEC-compliant, but unlike other "wide" SOICs, it has true 8 mm creepage.

**Exceptional Specifications**

Key IL3685P features include:

- 3.3 V Bus
- 40 Mbps data rate
- 1/5 unit load (supports up to 160 nodes)
- 2500 V isolation
- 44000 year barrier life
- 16.5 kV bus ESD protection
- Thermal shutdown protection
- -40 °C to +85 °C temperature range
- VDE V 0884-11 and UL 1577 pending
- 0.3" True 8™ mm 16-pin SOIC package

**A Broad Product Line**

In addition to the new IL3685P, NVE has the industry's broadest line of RS-485 isolated transceivers, and all are [in stock](#) for immediate delivery:

Model (click for details)	Mbps	Nodes	Bus ESD	Key Features	Available Packages
<a href="#">IL485</a>	35	32	2 kV	Legacy Standard	0.3" SOIC16
<a href="#">IL485W</a>	35	32	2 kV	Handshake Line	0.3" SOIC16
<a href="#">IL2985</a>	4	50	15 kV	Low power	0.3" SOIC16
<a href="#">IL3085</a>	4	32	15 kV	Low Cost	QSOP16; 0.15" SOIC16; 0.3" SOIC16
<a href="#">IL3585</a>	40	50	15 kV	Very High Speed	0.15" SOIC16; 0.3" SOIC16
<a href="#">IL3685</a>	40	50	15 kV	PROFIBUS	QSOP16; 0.15" SOIC16; 0.3" SOIC16
<a href="#">IL3685V</a>	40	50	15 kV	6kV isolation; PROFIBUS	QSOP16; 0.15" SOIC16; 0.3" SOIC16
<b>NEW!</b> <a href="#">IL3685P</a>	40	160	16.5 kV	3V bus; 1/5 U.L	0.3" SOIC16

[Download IL3685P Datasheet »](#)

**Buy Online**  
\$9.95 shipping

**Recent Exhibitions**



Visitors to **Sensors Expo** in San Jose saw new [smart sensors demonstrations](#).



**Sensor+Test** visitors learned about new [smart sensors](#), [angle sensors](#) and [noncontact current sensors](#).

**New Gear-Tooth Sensing Web App**

Our new gear-tooth sensing [Web application](#) lets you simulate applications of the popular ABL-Series Gear-Tooth Sensors: