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**IXYS Announces High-Voltage, Dual-Channel, Isolated Gate-Driver Product,  
Providing 4kv Isolation for Power IGBT and MOSFET Modules**

Leiden, Netherlands and Milpitas, CA. February 23, 2016 – IXYS Corporation (NASDAQ: IXYS), a global manufacturer of power semiconductors and ICs for energy efficiency, power management, transportation, medical, and motor control applications, today announced a 10A/4000V, dual channel, isolated gate-driver: IXIDM1401\_1505\_O.

Built using the IX6610/11 gate-driver chipset, it allows a 3.3 V microcontroller (MCU) through a 4 kV isolation barrier, to control IGBTs and MOSFETs in the half-bridge configuration. The PWM signals can be as short as 500 ns, and there is no lower limit on the switching frequency. It is capable of driving high-power IGBT and MOSFET modules rated up to 1700V.

The IXIDM1401\_1505\_O gate-driver core can support switching frequencies up to 250 kHz. The two output channels are electrically isolated from each other and from the primary side. An internal power supply can provide up to 2W per channel of isolated power to drive both upper and lower IGBTs (or MOSFETs), effectively isolating the MCU from the high power circuitry. Operating from a single polarity 15V power source, it provides +15 V/-5V and 10A peak current to the IGBT gates as well as +3.3V (at 50mA) to the corresponding controlling MCU.

The IXIDM1401\_1505\_O provides a complete dual-channel, gate-driver solution, best in class, outperforming existing solutions. This product is designed with all the necessary features such as short-circuit protection, under and over-voltage lockout protection, advanced active clamping, and supply voltage monitoring. It is well suited for digital power control, where a typical MCU, like the Zilog line of MCUs, can be used to provide the brains for controlling power modules.

The IXIDM1401\_1505\_O gate-driver module enables a compact and low profile design. It is well suited for such power conversion applications as inverters, isolated DC-DC converters, motor drives, uninterruptable power supplies (UPS), renewable energy, traction and medical.

Additional product information can be obtained by visiting the IXYS website at <http://www.ixys.com> or by contacting the company directly.

**About IXYS Corporation**

Since its founding, IXYS Corporation has been developing power semiconductors and mixed signal ICs to improve power conversion efficiency, generate solar and wind power and provide

efficient motor control for industrial applications. IXYS, and its subsidiary companies, offer a diversified product base that addresses worldwide needs for power control in the growing cleantech industries, renewable energy markets, telecommunications, medical devices, transportation applications, flexible displays and RF power.

### **Safe Harbor Statement**

Any statements contained in this press release that are not statements of historical fact, including the performance, features and suitability of products for various applications, may be deemed to be forward-looking statements. There are a number of important factors that could cause the results of IXYS to differ materially from those indicated by these forward-looking statements, including, among others, risks detailed from time to time in the Company's SEC reports, including its Form 10-Q for the fiscal quarter ended December 31, 2016. The Company undertakes no obligation to publicly release the results of any revisions to these forward-looking statements.