



NEWS RELEASE

GLF's Ultra-Low-Power Battery Protection IC Targets Wearables and Small IoT Devices

New IQSmart™ IC designed from the “ground-up” to meet the needs of smaller IoT devices; it offers added savings of up to 10% in battery life and a smaller footprint than legacy solutions.

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Santa Clara, CA.— January 16, 2018 —[GLF Integrated Power](#), a leading producer of innovative load switch solutions for wearable electronics, introduces the [GLF73510 IQSmart™ IC](#), designed to virtually eliminate wearable and IoT device battery discharge during standby or deep-sleep operation. The GLF73510 consumes an industry-leading ultra-low leakage current (I_{SD}) of 2 nA (typ.), as much as 1,000 times less than other manufacturers' chips commonly used in this

application.

Applications for wearable and smaller IoT battery powered devices are expanding rapidly. Market forces continue to demand hardware solutions with more features and longer battery life at a lower cost. Surprisingly, the semiconductor industry has been slow to address the specific requirements of smaller battery powered devices and consider existing ICs, developed for mobile applications with much higher battery densities, as a good fit.

“Load switches currently used to protect wearables and small IoT device batteries were actually designed for much larger devices, where standby or deep-sleep battery drain was not a serious concern,” stated Eileen Sun, GLF’s President, and CEO. “The GLF73510 has been designed from the ground up to address this important problem and virtually eliminates battery deep discharge during product shipment, storage, and stand-by.”

The GLF73510 is a high-efficiency 2A-rated, bi-directional switch with a turn-on threshold to prevent a battery from deep discharge. The compact IC is provided in a wafer-level chip scale package (WLCSP) measuring 0.97 mm x 0.97 mm x 0.55 mm.

Price: \$0.19 (in OEM quantities)
Lead Time: In-stock

About GLF Integrated Power.

GLF integrated Power is a fabless semiconductor company based in Santa Clara, California. Founded in 2013, the company is a supplier of breakthrough, ultra-efficient, ultra-small, silicon power control and protection ICs. When the IoT, ultra-portable and wearable revolution was starting, the GLF founding team saw the need for a new generation of more efficient power switch devices. This was when GLF Integrated Power was born. The company has developed new IP that enable cost-effective, efficient and differentiated power management solutions.

Contacts:

Gene Rutkevich
[GLF Integrated Power](#)
415.271.0425
gene.rutkevich@glfipower.com

Greg Evans, PE, Account Executive
[WelComm, Inc.](#)
858.633.1911
greg@welcomm.com