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Sol Chip & Linear Technology Demonstrate Indoor Solar-Powered Wireless Mesh Network at Hannover Fair

Solar-powered SmartMesh IP wireless networks enable maintenance-free Internet of Things

HANNOVER, GERMANY – April 13, 2015 – Linear Technology will be demonstrating its SmartMesh IP™ embedded wireless mesh networks, powered by Sol Chip's Solar Battery, at Hannover Fair 2015 Trade Show – Hall 9, Stand G29. The use of solar energy to power industrial Internet of Things applications provides users with a maintenance-free wireless solution, as no batteries are required for operation.

SmartMesh IP wireless mesh networks are built for IP compatibility, and based on 6LoWPAN and 802.15.4e standards. The SmartMesh IP product line achieves unsurpassed levels of networking resilience, reliability, and scalability with advanced network management and comprehensive security. SmartMesh IP embedded wireless networks include breakthrough Eterna® SoC technology that enables up to 8x lower power consumption than competitive solutions, even in harsh, dynamically changing RF environments. Cost-effective, IP-compatible, and widely applicable, SmartMesh IP wireless networks serve an extensive range of applications, such as energy management, building automation, renewable energy, and other implementations in smart infrastructure that require ultralow power.

SmartMesh IP Features:

- >99.999% Data Reliability
- Ultralow Power – Even Routing Nodes May Run Indoors on Solar Power
- Complete Networking Solution – No Network Stack Development Required

Sol Chip's innovative Solar Battery (Light Battery) integrates all the required components – in a single battery unit – to harvest and supply sustainable solar/light energy to low-power applications. Sol Chip's technology utilizes low-cost manufacturing flow, thereby increasing overall efficiency and decreasing design complexity, while reducing cost.

For the Light Battery data sheet, volume pricing, and delivery quotes, as well as evaluation kits and samples, please inquire with Sol Chip at info@sol-chip.com

For SmartMesh IP, please visit www.linear.com/products/smartmesh_ip or contact Linear Technology at jrutter@linear.com


About Sol Chip

Sol Chip is an Internet of Things (IoT) systems and energy harvesting solutions provider. Sol Chip has developed maintenance-free IoT solutions based on its Everlasting Solar Battery. This compact battery can supply energy for the lifetime of IoT devices. Sol Chip's technology provides a platform for disruptive applications such as home automation, smart cities, precision agriculture and many more. For more information, visit www.sol-chip.com

About Linear Technology

Linear Technology Corporation, a member of the S&P 500, has been designing, manufacturing and marketing a broad line of high performance analog integrated circuits for major companies worldwide for over three decades. The Company's products provide an essential bridge between our analog world and the digital electronics in communications, networking, industrial, automotive, computer, medical, instrumentation, consumer, and military and aerospace systems. Linear Technology produces power management, data conversion, signal conditioning, RF and interface ICs, μ Module[®] subsystems, and wireless sensor network products. For more information, visit www.linear.com

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