



Linear Technology Wireless Sensor Network Selected for Advantech's M2.COM Internet of Things Sensor Platform

Advantech uses SmartMesh IP to enable wireless mesh connectivity for industrial IoT applications with its open standard M2.COM sensor platform

MILPITAS, CA – October 3, 2016 – Linear Technology today announced that Advantech, a leading provider of embedded and automation products and solutions, has chosen Linear's SmartMesh IP™ wireless mesh technology to enable reliable, low power industrial IoT applications with Advantech's new standardized M2.COM sensor platform.

The M2.COM platform combines wireless technology, a microcontroller unit (MCU) and networking capability with a standardized interface for sensors. The inclusion of SmartMesh IP mesh networks on this platform offers customers the opportunity to embed wire-free mesh communications into their industrial IoT solutions. SmartMesh IP mesh networks are based on the 6LoWPAN standard and the global IEEE 802.15.4 standard, and include a pre-compiled networking stack that delivers >99.999% network reliability at ultralow power. This is particularly important for industrial IoT applications, where wireless sensor networks may be deployed in harsh and remote environments. With over 50,000 customer networks deployed in 120 countries, SmartMesh® networks are field proven in a wide range of applications. To simplify deployment and ensure long term maintainability, SmartMesh IP products can operate on batteries for over 10 years, enabling wireless sensor nodes to be placed anywhere. All SmartMesh products include pre-compiled network stacks and dynamic mesh optimization software so that developers can focus on rapid industrial IoT application development and rely on Linear Technology's mesh networking expertise embedded in every product.

M2.COM was launched earlier this year to create an open and standardized sensor platform to simplify and accelerate Internet of Things (IoT) sensor applications for makers and sensor manufacturers. Target applications for M2.COM include outdoor wireless sensors, wireless measuring instruments such as CO₂ meters and pH meters, agriculture moisture sensors, sensing/tracking devices for supply chain/logistics, and intelligent wireless controllers that allow remote management for things such as street lighting, traffic signals and waste management.

“In order to help our customers bring their IoT solutions to market faster, it is important for us to provide a standardized module interface with the flexibility to support industrial strength wireless mesh connectivity,” said Miller Chang, Vice President of Advantech Embedded Computing Group. “Linear Technology’s SmartMesh products are well recognized in the industry for their robust performance, ease of integration and world class low power consumption. We are pleased to be able to offer this important wireless IoT connectivity option to our customers as part of the M2.COM standard product line.”

“Advantech’s M2.COM open platform has the potential to accelerate the adoption of IoT in industrial applications,” said Joy Weiss, President of the Dust Networks product group at Linear Technology. “We look forward to working with Advantech to promote the use of SmartMesh IP mesh networks as a wireless connectivity option of the M2.COM platform.”

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

About Advantech

Founded in 1983, Advantech is a leader in providing trusted, innovative products, services, and solutions. Advantech offers comprehensive system integration, hardware, software, customer-centric design services, embedded systems, automation products, and global logistics support. We cooperate closely with our partners to help provide complete solutions for a wide array of applications across a diverse range of industries. Our mission is to enable an intelligent planet with Automation and Embedded Computing products and solutions that empower the development of smarter working and living. With Advantech, there is no limit to the applications and innovations our products make possible. (Corporate Website: www.advantech.com).

 , LT, LTC, LTM, Linear Technology, the Linear logo, SmartMesh and μ Module are registered trademarks and SmartMesh IP is a trademark of Linear Technology Corp. All other trademarks are the property of their respective owners.

Press Contacts:

North America / Worldwide

John Hamburger, Director Marketing
Communications

jhamburger@linear.com

Tel: 408-432-1900 ext 2419

Doug Dickinson, Media Relations Manager

ddickinson@linear.com

Tel: 408-432-1900 ext 2233

UK & Nordic

Alan Timmins

a.timmins@ntlworld.com

Tel: +44-1-252-629937