

# Telit Communications PLC

## Telit launches the world's first hybrid IoT modules in a single package

**London, October 31, 2016** – Telit Communications PLC ("Telit", the "Group", AIM: TCM), a global enabler of the Internet of Things (IoT), today is launching globally the world's first hybrid IoT modules that combine 3G Cellular, Wi-Fi, Bluetooth and GNSS in a single package.

The new [HE922-3GR](#) and [WE922-3GR](#) smart module series in the xE922 family are also the first to use the Intel® Atom™ x3 SoC Processor technology with a self-contained quad-core processing engine and comprehensive I/O resources.

Combined with the Group's [IoT Portal](#) and [IoT Connectivity](#) services, these modules deliver a complete end-to-end solution ideal for providers in a broad range of application areas including healthcare, vending, POS, public parking, smart buildings, smart grid and the Industrial Internet of Things.

**Ronen Ben-Hamou**, Telit Executive Vice President of Products and Solutions, commented:

***"The xE922-3GR products are game changers. When you look at how the complexity of designing devices with multiple chipsets is impacting cost and time-to market, you can appreciate the power of these all-in-one hybrid modules.***

***"It would take a good engineering team months to develop an IoT device prototype using disparate chips, whereas an engineer or two can now create a complete end-to-end IoT solution in just a couple of weeks."***

**Fred Yentz**, Chief Executive Officer, Telit IoT Platforms, said

***"Across all industries and segments, businesses are always looking for shortcuts in traditional product development to get to market faster.***

***"With the combination of our Cloud-ready IoT modules, custom data plans, comprehensive IoT Portal, and unmatched IoT know-how, we make it easy to connect, manage and integrate your 'things' with web-based or mobile apps or enterprise systems.***

***"This will provide the fastest path to business transformation, improved operational efficiencies and innovation in the market for our customers."***

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## Technical Specifications:

With a 34x40mm [LGA](#) footprint, the WE922-3GR and HE922-3GR deliver unparalleled features for their size. Both modules include 2.4GHz Wi-Fi 802.11 b/g/n and Bluetooth 4.0 LE. The embedded global positioning receiver in the modules is compatible with GPS and GNSS constellations.

Both of them integrate the functionality of an entire processor board inside the 441-pin package based on the 1.2GHz, 64-bit, quad-core Intel® Atom™ x3 processor series and include 8GB memory, sensor inputs, battery charger logic, analog speaker and microphone audio connections, interface for primary and secondary cameras and direct support for high-resolution display with touch screen and/or keyboard.

The application development environment is based on Android and Yocto Linux enabling access and reuse of vast libraries of functions and applications across all industries and segments. In addition to all of the above features, the HE922-3GR includes quad-band HSPA+ cellular connectivity delivering 21Mbps download data rate with fallback to 2G. The 3GPP Release 7 compliant HE922-3GR module supports 850/900/1900/2100MHz 3G HSPA+ bands with 850/900/1800/1900MHz 2G. The upload data rate is 5.76Mbps.

Both the WE922-3GR and HE922-3GR modules are available in two environmental grade variants. The commercial grade has an operating temperature range of 0°C to +70°C; the extended grade has an operating temperature range of -40°C to +85°C. The modules can be connected to an SD card and provide connections for a USB 2.0 port with OTG, two UART and SPI ports and I2C support.

A developers' kit is also available for the modules which includes a high-resolution touch screen with embedded cameras and audio, all the necessary antennas and a power supply. A comprehensive set of application development tools is available online.

### **About Telit**

[Telit](#) (AIM: TCM), is a global leader in Internet of Things (IoT) enablement. The company offers the industry's broadest portfolio of integrated products and services for end-to-end IoT deployments – including cellular communication modules in all technologies, GNSS, short-to-long range wireless modules, IoT connectivity plans and IoT platform services. Through the ***IoT Portal***, Telit makes IoT onboarding easy, reduces risk, time to market, complexity and costs for asset tracking, remote monitoring and control, telematics, industrial automation and others, across many industries and vertical markets worldwide.

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