

EION Launches Gen 3 of LoRa IoT Device to Enable Smart Telecom Towers

SmartRIM 5000 Gen 3 is an integrated sensor monitoring and management platform that reduces operational costs, service downtime and tightens SLAs.

OTTAWA, ON, CANADA (December 16, 2021) — **EION Wireless**, a leading provider of wireless systems to Tier I operators, ISPs and enterprises, today announced that it is launching SmartRIM 5000 Gen 3, a LoRa-enabled device with a combined wired and wireless sensor-aggregation platform, co-located in the remote infrastructure operated by ISPs and telecom operators. SmartRIM 5000 Gen 3 can remotely monitor and manage telecom towers from the Network Operations Center (NOC), to primarily manage tower health and tower sway in heavy winds, and to also monitor infrastructure, such as remote buildings, storage warehouses and remote campus environments. SmartRIM 5000 Gen 3 is a carrier-grade, modular, sensor-aggregation platform that can be integrated with custom sensors and easily deployed in a geographically distributed national network infrastructure.

SmartRIM 5000 Gen 3, a LoRa-enabled IoT sensor solution, identifies tower sway in heavy winds and sends alarms to the NOC when there is an event trigger, along with measuring guy-wire tension. The LoRa-based sensor solution offers a coverage range of up to 20 km. It also monitors the tower and sends alerts on the health of telecom towers including: cabinet open/close, weather, temperature, humidity, etc. SmartRIM 5000 Gen 3 helps in the self-healing of the network with an auto-remote power relay system, eliminating truck rolls or manual resets.

EION's SmartRIM 5000 Gen 3 is a 19-inch rack or table mountable, expandable IoT sensor aggregation system with carrier-grade hardware, customized sensors and firmware integrated with a GUI-based monitoring dashboard and the cloud-based network monitoring platform MosaiQ, for alarm notifications.

Some of the feature highlights of SmartRIM 5000 Gen 3 are:

- LoRa-enabled Sensor Monitoring and Reporting System
- Cloud-based MosaiQ Network Monitoring System with customizable dashboard
- Auto Remote Power Relay system
- Tower sway and guy wire tension monitoring solution
- Web-based Management GUI Configuration and Monitoring
- Compatible with SNMP v2/v3 Reporting

Trial customers have deployed multiple SmartRIM devices in their sphere of operations and manage the SmartRIM devices through the powerful cloud-based monitoring platform, MosaiQ, that comes with SmartRIM. These customers have witnessed a 30-35% decrease in truck rolls.

“SmartRIM is an essential product for all telecom tower operators. The Auto Remote Power Relay System with Auto Ping functionality enables Network Operations Centers to reduce downtime and truck rolls. The LoRa-enabled wireless sensor monitoring and reporting platform ensures healthy infrastructure with greatly reduced operational costs,” stated Amir Tabatabaei, IoT Product Architect at EION Wireless. “Easy deployment and



continuous monitoring of the organization’s infrastructure through SmartRIM 5000 Gen 3 ensures real-time insights from the remote infrastructure and increased service reliability,” he concluded.

“SmartRIM 500 Gen 3 is an important addition to our advanced portfolio of wireless networking infrastructure solutions,” said Dr. Kalai S. Kalaichelvan, CEO of EION Wireless. “We believe that our global customer base will greatly benefit from this new product,” he concluded.

Over the past 20 years, EION has been a trusted provider of rugged communications infrastructure globally, with over 450,000 radios deployed worldwide. The JF-12 Certification recently received from the US Army Spectrum Office clearly demonstrates that EION’s products can be rapidly adopted to deploy wireless networks where NATO frequencies are being used.

EION is part of the PomeGran group of companies.

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About EION Wireless:

EION Wireless, headquartered in Ottawa, ON Canada, is a global provider of Broadband Wireless Access products that enable effective, economic and secure wireless high-speed communications solutions. Formed in 2001, EION is a global provider of 4G Mobile LTE solutions, and high-speed broadband wireless products. With Global Customer Support Operations in India, and multiple regional sales offices around the globe, EION Wireless works with more than 165 worldwide channel partners to support some of the largest 4G deployments in the world. EION Wireless has established over 50 Gold partners globally. EION channel partners support various enterprise sectors such as Oil & Gas, WISP, Government Institutions, Mining, and Public Safety & Security. EION products are sold to Tier I and II Service Providers directly.

www.eionwireless.com

About PomeGran Inc.

PomeGran Inc., headquartered in Toronto, ON, Canada, owns and operates fibre and fixed wireless broadband networks across Canada and is an IoT Managed Services Provider that delivers a secure, AI-powered, self-healing platform for Smart Infrastructure. PomeGran, through its EION subsidiary, is a global provider of Broadband Wireless access products that enable effective, economic and secure wireless high-speed communications solutions.

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