Common Questions and Brief Answers about us and our technology

What is *SecuRemote(SR)*?

Simply stated, *SecuRemote* refers to a system solution developed by Delphian Systems as a complete device-to-cloud IoT solution as a secure, reliable, and remotely monitored network for the IoT.

Why would I choose *SecuRemote*?

The benefit of choosing *SecuRemote* as a solution is that it addresses a need that many OEMs will face in the IoT: the need to have one single inter-operational solution that is not overly complex, difficult to deploy, unnecessarily expensive.

What is unique about *SecuRemote*?

The key differentiating features of *SecuRemote* are both found in the individual components as well as how the system operates:

Operational features:

> Security: It includes end to end encryption of data, to and from the cloud. That means that the data is NEVER decrypted until it reaches its destination, that is, it is not re-encrypted during intermediate connections.

> Mesh Networking: Auto-forming, auto-healing, 1-hop long range mesh attributes. *SecuRemote* delivers long range and high node count low power wireless mesh networking out of the box.

> Ease of use: Ease-of-use through mobile device applications. Every *SecuRemote* device can be queried and controlled from a smartphone. The *SecuRemote* Application and *SecuRemote* SmartTool support the capability and are designed as part of the overall systems approach.

> Internet connectivity: Unique in the industry bridge capability. Because *SecuRemote* is an end-to-end system, the *SecuRemote* bridges are built to adapt the low power wireless network to internet protocol, a role required for remote operation and monitoring, and designed as part of the overall *SecuRemote* system capability.

I'm not interested in *SecuRemote* but am interested in bare metal components such as modules and gateways.

System Components available for sale from Delphian System are comprised of

1) *SecuRemote* FCC/IC certified BLE/ANT modules based on Nordic Semiconductor
2) *SecuRemote* Sprint certified cellular bridge

These components are ready to operate as part of the *SecuRemote* solution based on proprietary software and firmware. They are also available "bare-metal" for use in any applications with customer defined software/firmware.

What applications is *SecuRemote* suited for?

SecuRemote was designed with a command and control use case in mind. State data is communicated between the device and the cloud. Recently Delphian engineers have added the capability to stream raw sensor data to the cloud and are working with IoT cloud vendors to establish an IoT cloud interface based on MQTT, and HTTPS.   We see many potential applications for *SecuRemote* in the following industries, Agriculture, Health and Fitness, Industrial, Access control and Home Automation.

Who is Delphian Systems?

Delphian Systems formed in 2011 to begin addressing the needs of consumers to have greater control of their environment through smart phone applications, focusing on home automation and access control use cases. Our team is located in Buffalo Grove, IL (outside of Chicago) and in Ahmedabad, India. With domain expertise in low power embedded computing and wireless, we are training our sites on the immense opportunities presented by the Internet of Everything.

How do I get started with *SecuRemote* ?

Delphian Systems offers 3 kits that allow evaluation of *SecuRemote* technology. See our website for details.

Can I engage with Delphian System to help develop my IoT system and application?

Our team is prepared to share our expertise and evaluate a fit for our skills to address commercial IoT applications and has deep levels of experience with low power wireless and embedded electronic design, mobile applications and communication. Contact us and we will be happy to explore ways we can engage.