

Skkynet ETK

Verified Software Add-on for Renesas Synergy

Connect Differently. Skkynet.

It's time to open a new conversation. Adopt a secure-by-design architecture for real-time data communications on your device.

You focus on great products – we help you connect them. Now you can IoT-enable them quickly and securely. View your data on the web, feed an industrial SCADA platform, or connect to other devices and systems. Put your products' data streams right into your user's hands – for one-way monitoring or two-way control.

- No open firewall ports, no VPN – expose data, not your network

- Monitor, control, visualize and consolidate information

- Fully customizable

Reduce Time to Market

Connect to our end-to-end solution, and immediately tap into an industrially hardened communication technology that works in the plant, on the cloud, or both. No programming is required.

Real-Time

Achieve IoT or in-plant networking speeds of only a couple milliseconds over network latency.

Secure

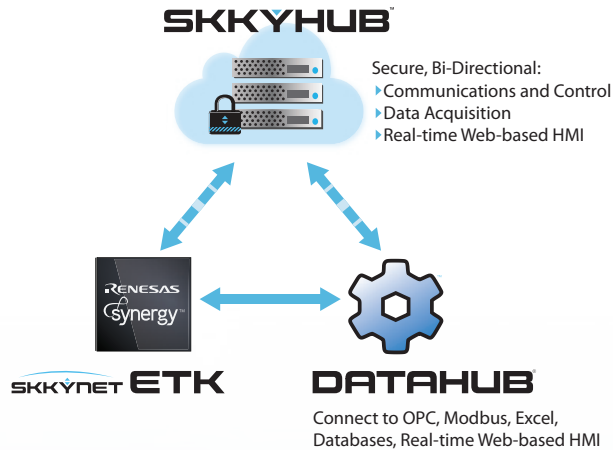
Patented technology for outbound-only connections ensures no exposed attack surface – no open firewall ports, no VPN, and no extra hardware.

Share in the Revenue

We do all the heavy lifting, include a full featured HMI, and we share the revenue with you. White labeled, it becomes your service for your clients with a recurring revenue stream.



SKKYNET



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Decide

Make Informed Decisions using Real-Time and Archived Data

Real-time analytics: A built-in scripting language and real-time connections to Excel provide a platform for running real-time analytics on data as it flows through the system.

Database integration: Log your process data to any ODBC database (such as SQL Server, MySQL, Oracle, etc.) under any specified conditions. A sophisticated store and forward mechanism ensures that no data is lost due to possible connection failure.

Connect

Securely Access Your Renesas Synergy platform Data from Anywhere

High-speed data throughput: Collect, send, and receive up to 50,000 data changes per second at speeds just a few milliseconds over Internet latency.

Security: No inbound connections. Supports SSL encryption and password protection.

Requires no VPN or additional security hardware.

Integrity: No changes to the hardware or software of an existing system. You decide what data to transmit, and how: one-way or bi-directionally. You do all the configuration, and only you can make changes to it.

Device to in-plant

The Skkynet Embedded Toolkit (ETK) running on Renesas Synergy provides a direct link to the Cogent DataHub®. The Cogent DataHub is a hardened industrial middleware that connects OPC servers and clients, Modbus TCP slaves ODBC databases, Excel, and .NET programs to your Renesas Synergy enabled devices, and supports OPC networking, bridging, redundancy, emails, process trending, and other system integration requirements.

Observe

Visualize Your Renesas Synergy Data on the Web in Real Time

High performance: View any connected process in a fully web-based interface. Stunning graphics and real-time response replicate or exceed the performance of traditional HMIs.

Secure access: Only qualified users can configure security settings to provide read-only access to limited data sets for public use, while giving bi-directional access to insiders. Authorized developers can access the complete online design interface.

Convenience: Create and edit screens from any location. No coding or development system required, just drag and drop desktop-quality graphics to build HMI screens right inside a web browser. Choose from thousands of symbols, or add your own. Deploy any changes to all users instantly.

Device to Cloud

The Skkynet Embedded Toolkit (ETK) running on Renesas Synergy provides a direct link to the SkkyHub™ service, which provides a seamless, end-to-end solution for M2M, viewing data from your device on the web, connecting to other web services, or transporting your data anywhere in the world.

