FDI

The Future Designs, Inc. ΣyG™ Family provides a complete and qualified Graphical User Interface (GUI) / Human Machine Interface (HMI) platform for the rapid release of customer products. The core of ΣyG (pronounced, "sig") is Renesas Synergy™ – a comprehensive and integrated software-based microcontroller platform. FDI adds the Synergy platform to its GUI hardware, systems and production expertise. The end result is a sum of high-quality products that provide a robust and proven source for GUI and HMI solutions:

ΣyG™ = Renesas Synergy™ + GUI

The ΣyG-S7G2 System on Module provides a quick and easy solution for implementing Renesas Synergy-based design by providing the basic functions necessary for a product on an easy to use SOMDIMM. The ΣyG-S7G2 SOM uses an industry standard 200-pin SOMDIMM interface and is compatible with FDI's ΣyG Modular Development LCD Kits but can also be used for custom platform development or customer applications.

FDI also offers engineering design and production support services. FDI is committed to saving customers time, money and hassle. So, no matter how much (or little) support you need along the way, FDI can make your project concept a reality.

Part Number: **SYG-S7G2-SOM**

Available for immediate order at www.TeamFDI.com or from any of FDI's franchised distributors.

SOM Features

- SOMDIMM – CPU Module
- Based on SODIMM form factor (Dual Inline Memory Module)
- Renesas Synergy™ S7G2 240MHz microcontroller
- 4MB of Internal flash, 640KB of Internal SRAM
- 16MB of External SDRAM
- 10/100 Ethernet PHY
- Mini-JTAG and microSD Card connectors
- PCB Dimensions 67.6 x 57.5 mm
- Includes on-line application documents for all hardware and software
- Platform is based on a modular design for maximum flexibility
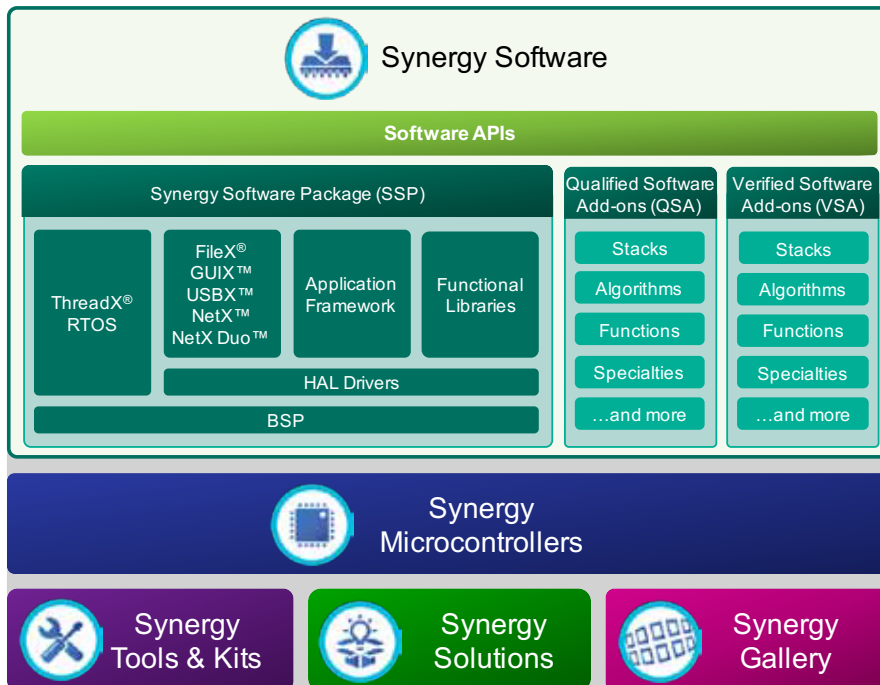- Distribution stocking with volume discounts available

ΣyG Modular Development Kit

Kit Contents:
- Renesas Synergy™ SYG-S7G2-SOM Board
- Carrier Board
- LCD Carrier Board
- 4.3" or 7.0" WVGA PCAP Touch Screen LCD
- 5 VDC, 2.3A North American Power Supply
- USB and Ethernet Cables
- Segger JTAG debugger and cables

Synergy Software

Synergy Software

Software APIs

Synergy Software Package (SSP)

ThreadX® RTOS	FileX® GUIX™ USBX™ NetX™ NetX Duo™	Application Framework	Functional Libraries

HAL Drivers

BSP

Qualified Software Add-ons (QSA)
- Stacks
- Algorithms
- Functions
- Specialties
- …and more

Verified Software Add-ons (VSA)
- Stacks
- Algorithms
- Functions
- Specialties
- …and more

Synergy Microcontrollers

Synergy Tools & Kits

Synergy Solutions

Synergy Gallery

RENESAS SYNERGY™

Accelerate. Innovate. Differentiate.

The Renesas Synergy Software Platform Includes:
- Express Logic's ThreadX© RTOS, communication stacks, files systems & graphics library
- Optimized, scalable 32-bit MCU family
- Advanced security support
- Associated developer's tools with context-aware documentation

See more at: TeamFDI.com/SynergySoftware

Sales@TeamFDI.com
(256) 883-1240

TeamFDI.com

YouTube.com/ FDIProducts

All brand names and product names are trademarks or registered trademarks of their respective holder.

Rev 1.3 09/29/15