



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

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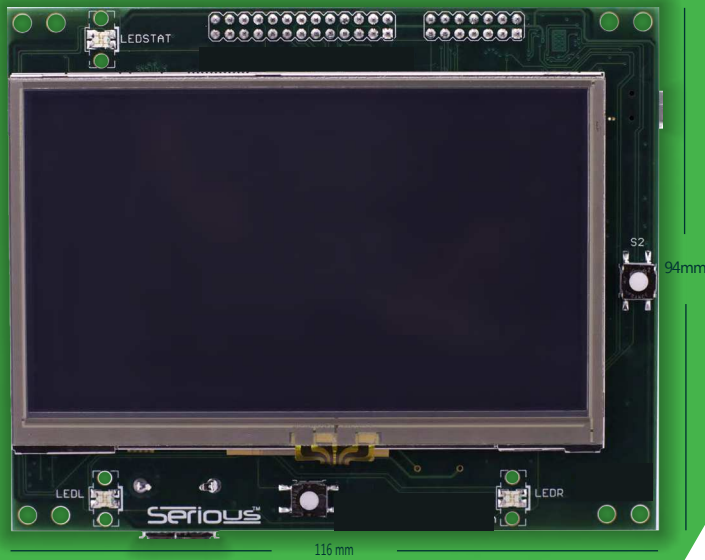
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4.3" WQVGA Graphic/Touch Module Family

Powered by the Renesas RX621  MCU



Update your product's front panel with *Serious* modules:

- ✓ **Production worthy**
- ✓ **Prototype friendly**
- ✓ **Rapid GUI development**

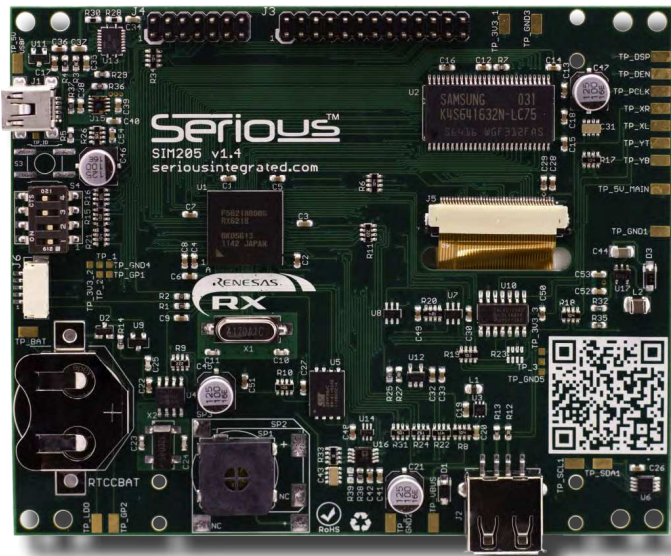
SIM205 Family Features

- 4.3" WQVGA 480x272 color TFT display
- Various touch panel options
- 100MHz 32-bit Renesas RX621 MCU
 - 96KB RAM, 512KB FLASH
 - Direct Drive Technology
- On Module Memory
 - 8MB SDRAM
 - 8MB serial FLASH
- Flexible I/O
 - 26-Pin Header (GPIO, +5V, RESET#, UART, SPI, ...)
 - 14-Pin E1 debug port
- 116 x 94mm;
- 0 to 70°C Operating Range

Product Options	A00	A01*	A02*
Touch	R4	R4	○
USB2.0 FS device connector	●	●	○
USB2.0 FS embedded 150mA host port	●	○	○
Speaker/Amplifier	.7W	○	○
Piezo Buzzer	○	●	●
LiPo System Battery Support	●	○	○
Battery Backup for RTCC	●	○	○
System Temperature Sensor	●	○	○

*Proposed products subject to change

SIM205 | GUI Development and Support



Building a GUI can be hard. We can help.

Serious offers accelerated paths to traditional coded development as well as ultra-fast GUI creation using the Serious Human Interface™ Platform.

Jump Start Your Traditional GUI Coding

You can waste months porting an OS and developing the board support package, basic support utilities, and graphics libraries -- even before writing the first line of traditional C-based GUI code. *Serious* gets you there in minutes, not months!

No-cost software development tools for C-based projects with the Renesas High Performance Embedded Workbench (HEW) and KPIT GNU toolsuite.

RTOS: [Micrium µC/OS-III](#) and [Segger embOS](#) professional-grade kernels (with full single-use commercial licenses) as well as the standard open-source [FreeRTOS](#) kernel are pre-ported to the hardware.

Out-of-the-box cross-OS drivers including SPI, I2C, UART, RTCC, CAN, Direct Drive Graphics, Touch, and Timer with full source code. The SIM205 also includes pre-ported Renesas GAPI libraries.

Ultra-Fast GUI Development with SHIP

Looking for comprehensive PC/MAC/Linux-based WYSIWYG rapid-GUI development environment with minimal coding? Use the Serious Human Interface™ Platform (SHIP) to create a complete, communicating and functioning GUI in as little as *hours*. See www.seriousintegrated.com/SHIP for details.

Support and Services

Serious offers comprehensive software, hardware and GUI customization and development services. [Contact Serious](#) for information. mySerious.com offers community and *Serious* support for all registered users of *Serious* modules.

Partner Support

Serious is a **Renesas Platinum Partner**: *Serious* Integrated Modules are supported with software and services from Renesas and *Serious* strategic partners.



Micrium



Authorized Stocking Distributors



Need More Info?

- Contact your *Serious* Representative
- Contact your Arrow Electronics Applications Engineer
- Visit seriousintegrated.com/SIM205
- Visit the *Serious* community at mySerious.com

