I2C - SPI

The Inter-Integrated Circuit (I2C) is a multi-slave, half-duplex, single-ended 8-bit oriented serial bus specification, which uses only two wires to interconnect a given number of slave devices to a master. The Serial Peripheral Interface (SPI) is a...

Updated: 2021-07-06 14:41:43

#arm #stm32 #i2c #spi

SSD1306 OLED Controller

SSD1306 0.96" I2C OLED display is very popular as it is used in many project to display system status as it has multiple communication protocols and consumes very low power. It mainly exposes I2C interface or SPI interface. SH1106 is another...

Updated: 2021-07-06 14:39:33

#oled #ssd1306

Analog to Digital Converter

There are many types of analog devices connected to microcontrollers. These analog device generate a variable voltage in a meaningful range. That voltage level is read and converted to a number through an Analog to Digital Converter.

Updated: 2021-06-29 18:23:57

#arm #stm32 #adc #joystick

Lidar

LIDAR is a method for determining ranges in variable distance by targeting an object with a laser and measuring the time for the reflected light to return to the receiver. Lidar is commonly used to make high-resolution maps, with applications in...

Updated: 2021-06-29 15:27:33

#lidar

Livox SDK

Livox SDK is the software development kit designed for all Livox products. It is developed based on C/C++ following Livox Communication Protocol, and provides easy-to-use C style API. With Livox SDK, users can quickly connect to Livox products and...

Updated: 2021-06-29 15:27:33

#lidar #livox

Lidar Mapping - Prototype

Create a mapping system using a Livox Mid-40 Lidar and an APX-15 GNSS-INS module. This system can be used to scan and create a 3D point cloud of an area

Updated: 2021-06-29 15:27:33

#lidar #livox

#mapping

Virtual machine

A virtual machine is a virtual environment that functions as a virtual computer system with its own CPU, memory, network interface, and storage, created on a physical hardware system. A software, called a hypervisor, separates the machine's resources...

Updated: 2021-06-28 13:25:02

#virtual

Docker - A Container

A container is a standard unit of software that packages up code and all its dependencies so the application runs quickly and reliably from one computing environment to another.

Updated: 2021-06-28 13:25:02

#docker

#container

Hyper-V on Windows

Hyper-V on Windows supports many different operating systems in a virtual machine including various releases of Linux, FreeBSD, and Windows. Hyper-V is a type 1 hypervisor, specifically provides hardware virtualization, with better performance than...

Updated: 2021-06-28 13:50:05

C/C++

Updated: 2021-06-28 09:51:21

J-Link System View

SEGGER SystemView is a real-time recording and visualization tool for embedded systems that reveals the true runtime behavior of an application, going far deeper than the system insights provided by debuggers. This is particularly effective when...

Updated: 2021-06-28 09:51:21

#arm #stm32 #debug #rtt
#sysview

J-Link Real Time Transfer

SEGGER's J-Link Real Time Transfer overcome the limitation of other debug techniques such as Semihosting or SWO, in term of speed and availability. It can run without debugging session, and do not affect the real-time system. However, it only...

Updated: 2021-06-21 14:40:25

#arm #stm32 #debug
#rtt

« **1** 2 3 4 »

J-Link Real Time Transfer

SEGGER's J-Link Real Time Transfer overcome the limitation of other debug techniques such as