ARTIK 520 Developer Kit   SIP-KITNXB001

Main Product Image	See "Artik 520 Dev Kit Main Image 250x250.png" in zip file
Manufacturer Name	Samsung Semiconductor, Inc.
Product Category	Embedded System Development Boards and Kits
Samsung ARTIK Part#	SIP-KITNXB001
Summary Description	Samsung ARTIK 520 Developer Kit
Main Product Brief	See "Artik 520 Product Brief.pdf" in zip file
Overview	Samsung's ARTIK 520 Developer Kit is the perfect choice for developing products for the Internet of Things (IoT). The kits include everything needed to get started: an ARTIK 520 system-on-module mounted on a development board with built-in Wi-Fi, Zigbee®, and Bluetooth® circuitry. Antennas and USB cable (for programming) are included. (You will need to provide a power supply). Every ARTIK 520 module has the ability to authenticate its boot image using a secure hash and execute a secure boot once the boot image has been authenticated. Secure communication and key management is facilitated by the secure element as part of the module. Finally, secure execution can be performed in Samsung's TEE using ARM TrustZone.
Key Features	Power efficient dual Cortex®-A7 with Wi-Fi, Bluetooth, ZigBee, Thread Leverages Samsung ePoP technology to offer small footprint modules: 30 mm X 25 mm 512MB RAM, 4GB flash (eMMC) Enterprise class security with hardware secure element and Secure OS Fedora Linux® package with connectivity, graphics, power management and security libraries
Use Cases	Smart home gateway Building Automation zone controllers Lighting controllers Security panels

Specifications

CPU	Dual core ARM® Cortex®-A7@1.0GHz
GPU	Mali™-400MP2 core
DRAM	512MB LPDDR3
FLASH	4GB eMMC v5.0
Camera I/F	1x 2-Lane MIPI CSI up to 3MP@30fps
Display	2-Lane MIPI DSI up to qHD 960x540@24bpp
Audio	1-channel PCM and 1-channel I2S
WLAN (Wi-Fi)	IEEE 802.11a/b/g/n/ac Dual band MIMO
Bluetooth	4.1 + Smart
802.15.4	ZigBee
Analog and Digital I/O	GPIO, I2C, SPI, UART, SDIO, USB 2.0, JTAG, Analog Input
Secure Element	Root of Trust Key Storage, Crypto accelerators
Trusted OS	Trustonic TEE
Operating Temperature	0C to 70C
Size	30mm x 25mm

Kit Includes

1x ARTIK 520 Module
1x Development board
1 x USB-A to Micro USB-B cable
4x Wireless antennas

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for Development Boards & Kits - ARM *category:*

Click to view products by Samsung *manufacturer:*

Other Similar products are found below :

CWH-CTP-VSPA-YE   CY4541   EVAL-ADUCM320IQSPZ   FRDM-KV31F   POLYPOD-BGA324   POLYPOD-TQ144   POLYPOD-TQ176   KEA128LEDLIGHTRD   KIT_XMC42_EE1_001   SAFETI-HSK-RM48   LS1024A-RDB   ADM00573   FRDM-KL28Z   PICOHOBBITFL   MCIMX53-START-R   TWR-K65F180M   KEA128BLDCRD   CC-ACC-MMK-2443   STM8L1528-EVAL   YSPKS5D9E10   YGRPEACHFULL   TWR-MC-FRDMKE02Z   TWR-K80F150M   CY14NVSRAMKIT-001   EVALSPEAR320CPU   EVB-SCMIMX6SX   MAXWSNENV#   FM0-64L-S6E1C3   MAX32600-KIT#   TMDX570LS04HDK   Z32F3840100KITG   LS1021A-IOT-B   SK-FM3-100PMC-MB9BF516N   TXSD-SV70   YSTBS3A3E10   YR8A77430HA02BG   STM3240G-USB/NMF   OM13080UL   EVAL-ADUC7120QSPZ   CYDP-KIT-13638   OM13063UL   ATAVRPARROT   OM13090UL   YSPEHMI1S20   TXSD-SV71   YGRPEACHNORMAL   SK-FM3-176PMC-ETHERNET   HVP-KV11Z75M   OM13076UL   LX2RDBKIT2-25G