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

# Inventek Systems
## Embedding Connectivity Everywhere
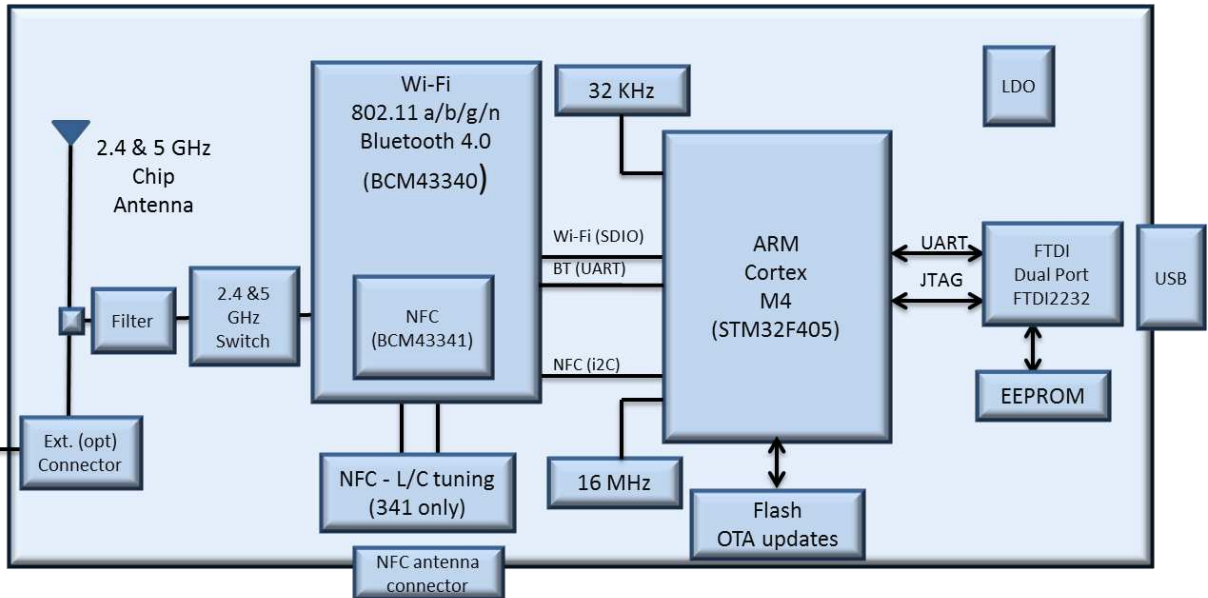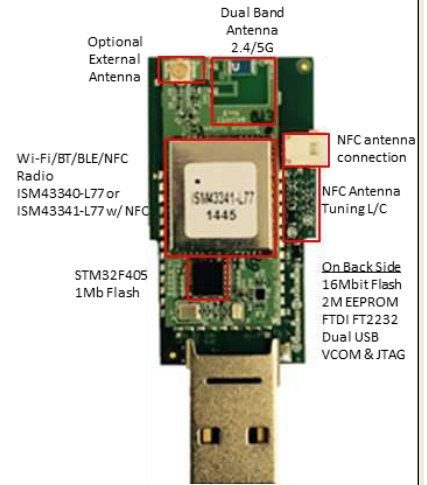
# COMBO-DUAL-BAND IoT MODULE

# Dual-Band Wi-Fi with Bluetooth Smart Bridge with NFC

The Inventek ISM341-USB is an embedded wireless Internet Connectivity device that operate in the 2.4 & 5 Ghz spectrum. The Wi-Fi modules hardware consists of a ARM Cortex M4 host processor, Broadcom BCM43341 Dual-Band (2.4 GHz / 5 GHz) 802.11 g/n MAC/Baseband/Radio with Integrated Bluetooth 4.0, and NFC. Also, the device has two antenna options, a dual band chip antenna or an U.FI connector for external antenna.

The module provides a USB VCOM port and JTAG port interfaces enabling easy connection to an embedded design.



Dual Band Antenna 2.4/5G
Optional External Antenna
Wi-Fi/BT/BLE/NFC Radio
ISM43340-L77 or
ISM43341-L77 w/ NFC
STM32F405 1Mb Flash
NFC antenna connection
NFC Antenna Tuning L/C
On Back Side
16Mbit Flash
2M EEPROM
FTDI FT2232
Dual USB
VCOM & JTAG

## Main Features

- 802.11 a, b, g ,n compliant based on Broad-com MAC/Baseband/Radio device
- Bluetooth 4.0 & NFC
- Fully contained TCP/IP stack minimizing host CPU requirements
- Configurable though simple AT commands
- IEEE 802.11 a/b/g/n complaint
- Soft Access Point for up to 4 clients for configuration and ad-hoc networks
- Host interfaces: USB (HID/VCP/ JTAG)

- Network features
  ICMP ( Ping),
  ARP,
  DHCP,TCP,
  UDP
- Secure Wi-Fi authentication WEP-128, WPA-PSK (TKIP), WPA2-PSK

## WICED™ by BROADCOM.



| Device | Description | Firmware | Ordering Number |
|--------|-------------|----------|-----------------|
| ISM340-USB | USB Wi-Fi / BLE dongle, with ISM43341-M4G-L44 or ISM43340-M4G-L44 | USB | ISM340 –USB<br>ISM341-USB ( Includes NFC) |