

# Brief Description

TizzBird Stick N1 is HDMI dongle type android device. Just connect it to TV's HDMI port and supply power from TV can boot android 'Ice Cream Sandwich' OS to end user's TV. It has embedded WiFi dongle that end user can access NAS & SAMBA server when they want to play media contents.

Though Stick N1 is small size device but it passes reliability test condition and has certification of CE and KCC

## **1. Main CPU - TCC8925(Telechips)**

Telechips developed Cortex-A5 Core RISC Main CPU which built-in and support MPEG1, 2, 4 and DIVX, H.263, H.264, (Video Codec) MP3, AAC, etc. (Audio Codec) and JPEG, BMP, PNG, etc. (Image codec) included. External video IO supports HDMI for TV and Monitor's HDMI port

## **2. DDR3 – HY5TQ4G83BFR(Hynix)**

512MB DDR3 2EA Hynix's a built-in CPU DATA (1GB) to improve processing speed and Performance.

## **3. PMIC – RN5T614G(Ricoh)**

PMIC is specifically designed for low-power portable devices, low heat, Power Management IC by 5V USB port or 5V Adapter input power driving device.

## **4. MICRO SD**

Micro SD is used for Stick N1 booting, firmware, app data and user data saving.

## **5. WiFi – RTL8189ES(Realtek)**

Wireless LAN Standards IEEE 802.11 B / g / n wireless interface support (AP Mode and WiFi Direct support) this chip communicates in TCC8925 with SDIO interface.

## **6. WiFi ANT – IDSMT-W-3-3-2-H(Doosung)**

WiFi ANT to the gasket(IDSMT-W-3-3-2-H) contact is connected with the FPCB ANT. FPCB ANT attached to the inside of the enclosure.

#### **7. Micom – 78F9222(NEC)**

NEC's 8Bit Micro controller IC built Main CPU with Security responsible for security duties. Micom is used for IR control, booting control. It communicates in TCC8925 with UART interface

#### **8. Power LED –NB104(HARVATEK)**

With Blue Color LED is lit, and the power ON, Power off when it blinks.

#### **9. USB A Type Connector**

Processing data (images, music, movie, documents) from External HDD or USB device are connected. And also process interface device data like Mouse or Keyboard

#### **10. HDMI Plug Connector**

Interface to transfer image and sound data from Stick N1 to TV or Monitor which has HDMI Port. It communicates in TCC8925 with I2C interface.

#### **11. USB & External IR Cable**

Not only supplying power to main unit but also receive IR signal from remote control and transfer to main unit. This cable is designed to USB connector type

#### **12. MICRO USB CONNECTOR**

Where main unit supplies 5V power from external source: TV's USB port or Adaptor.

#### **13. 5V AC / DC ADAPTER –DSC5CU05(DVE)**

External 5V, 1A Adapter is for in case of TV's USB port doesn't provide 500mA or power consumption pick value is higher than 500mA by end user when they watch or play more process required HD level scene. Adapter is to prevent sudden system shutdown.

#### **14. Remote Controller**

When user press remote controller's button, it transfer IR signal which is programmed at firmware to Stick N1 main unit via USB & External IR cable.