

Operational Description

Interface Specifications



Keys:

Power On/Off, Sleep/wake, Reset (long press)

Volume Up/Down

3 Android Button, Home/Back/Menu

Multimedia:

5" LCD Panel, Resolution 800x480

Microphone

Stereo built-in speaker

External Storage:

MicroSD card slot

Safety:

Food-class handler

VINCI Learning Tablet is a mobile touchscreen computer created with child's safety as our primary concern. A protective soft-cornered handle uses non-toxic food-grade material.

VINCI uses the most advanced technology - capacitive touchscreen, Cortex A5 processor, and Android OS, to provide incremental and interactive learning through engaging games as per VINCI Curriculum, which includes 3 cognitive learning levels: Level 1 The Curious; Level 2 The Confident; and Level 3 The Capable, for children between the ages of 18 months to 5 years.

It runs Android OS (operating system) with following Features:

- Little handle for little hands - keeping your child 100% mobile
- Display: 5-inch (diagonal) glossy widescreen, multi-touch, 800-by-480-pixel resolution
- 512MB RAM, 8G Internal Storage
- 3 megapixel back camera/camcorder, 0.3 megapixel front camera/camcorder
- Full MP3, MP4 player
- Expandable storage with MicroSD card slot (up to 32GB)
- 2 to 3 hours of continuous play time (1800 mAH rechargeable battery)
- Desktop Connection for app installation and media synchronization via VINCI Tab Manager
- Size and Weight: 6.54" (16.60 cm) by 3.90" (9.90 cm) by 0.63" (1.60 cm); 0.55lb (0.25 kg)

Engineering Specification

Here is the engineering specification of Vinci Tab II VS-3001

Display

- 5-inch (diagonal) glossy widescreen
- Multi-Touch display
- 800-by-480-pixel resolution

Processor

- Cortex A5 @ 1.0GHz

Memory

- DDR3-1333 512MB RAM

Camera

- 3 Mega Pixels, back ,0.3 Mega Pixels,front

Battery and Power

- Built-in (1800 mAH) rechargeable lithium-polymer battery

Size and Weight

- Height: 6.54" (16.60 cm)
- Width: 3.90" (9.90 cm)
- Depth: 0.63" (1.60 cm)
- Weight: 0.55 lb (0.25 kg)

Wireless Communication

VINCI Learning Tablet uses IEEE 802.11 b/g/n(20/40MHz) network access, with integrating a module on PCBA. The wireless network can be configured on LCD with Android OS utility.

The antenna is of type FPCB, paste it on the back cover
Bit Rate: 802.11b:11/5.5/2/1 Mbps.

802.11g:54/48/36/24/18/12/9/6 Mbps

802.11n (20MHz):150/144.44/130/117/115.56/104/86.67/78/52/6.5 Mbps

802.11n (40MHz):270/240/180/150/120/108/90/54 Mbps

WIFI module operates within 2412MHz~2462MHz frequency band. Channels are numbered 1~11 and are centered on the frequencies below.

Channel Center Frequency (MHz)	
1	2412MHz
2	2417MHz
3	2422MHz
4	2427MHz
5	2432MHz
6	2437MHz
7	2442MHz
8	2447MHz
9	2452MHz
10	2457MHz
11	2462MHz