

SparkTOUCH



Turn Any Wall Into a **Giant Educational Tablet**

SparkTOUCH is a plug-in interactive wireless device that enables an interactive touch whiteboard system for projectors.

It combines a built-in quad core computer, touch sensor, lag-free writing and a complete whiteboard application with dozens of smart tools to foster a truly interactive learning experience. It's a complete, end-to-end smart classroom solution with interactivity, collaboration, curated content and classroom management all built in a single portable device.



Simple plug-in to projector to get a Smart Classroom



High-performance touch interactivity on any surface



Share screens and send files from any laptop or phone



Low Power Consumption
-Green & eco-friendly



Smart Whiteboard App with smart tools



MyCloud Free Content Search

Key Features

- Small and Compact
- Seamless Interactivity
- Auto-callibration
- PC- Free Operation
- Free Content Repository
- App Suite for Content and Classroom Management
- Share screens from Laptops and Mobile devices



PRODUCT SPECIFICATIONS

PLATFORM

Embedded O/S	einsOS™ Embedded O/S (Educational OS) - Android™ version
Main Processor	Quad-core ARM® Cortex embedded 32-bit CPU 1.6 GHz + Dedicated 450MHz GPU
Video	720p. Supports H.265/HEVC 4K@30fps video decoding
Security system	Trust zone based security architecture
Driverless	Yes (connect to any other PC/MAC etc. via USB as standard HID device and use all native Applications)
CPU requirement	No CPU consumption on host PC/MAC
USB Bandwidth requirement	Under 1MB/s, standard USB HID touch device, support for RJ45 USB 1.1 extenders
Wi-Fi	IEEE 802.11b/g/n ((2.4 GHz ISM Band), 14 channels
Edge-blending system support	More than 8 devices can be connected to 1 USB port in PC for a Edge-blending setup
Automatic Calibration	Yes
Multi-touch Points	10#
OS Support (on host PC)	BYOD - supports all OS platform on host PC like Windows®, Mac® OSX, Linux®, Chromebook™
I/O Ports	HDMI®, USB 2.0, OTG microUSB, IR receiver, DC in, Micro SD Card, IR remote

CAMERA UNIT

Movement Detection Technology	EyeRIS® built-in 3-D Dual-band Optical
Tracking Active Area (max projection size recommended)	Up to 100" for 16:9 aspect ratio (wide angle) & up to 80" for 4:3 aspect ratio
View angle	Vertical-95°, Horizontal-110°, Diagonal-170°
T/R Range	Upto 0.16
Tracking Speed & Response time	195 million dots/sec 120 FPS (can be extended upto 200 FPS)
Ambient Light Resistance Technology	830nm +/- 20 & 650nm +/-20 dual band tracking technology (Visible and IR bands)
Calibration Technology	Automatic as well as Manual Calibration
Power Requirement	5 V
Power Consumption	< 1 W
Operating & Storage Environment	Temperature : -10 to +60 degree; Humidity: 0% to 95%
Accuracy	+ / - 2 px

STYLUS

Power Demand	Super-Capacitive technology, No Consumables, 3 minutes charging time through USB
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* Disclaimer: Product specifications and data are subject to change without notice to improve reliability, functions, design or otherwise.
*** All features and colors mentioned are not available on all models