ONE DEVICE
CLASSROOM

● **Classroom Computer**

Spark**Touch** is the world's first interactive classroom computer designed to make your classrooms smart. With just one device you can experience seamless interactivity, get curated learning content and collaborative applications - packaged together for a holistic learning experience.

● **Plug and Play Interactivity**

Connect Spark**Touch** to a projector and turn any flat surface into an interactive whiteboard.

● **Powered by einsOS**

Spark**Touch** runs on an AI-powered operating system, eins**OS**. This operating system is designed for education and comes with multiple apps - eins**Academy**, eins**Class**, eins**Connect**, eins**Assess**, and eins**Manage** - to take care of all classroom activities.

● **Small Package, BIG impact**

A classroom sans wires is what we want! Small and compact, Spark**Touch** fits in your palm and makes the classroom clutter free.

● **All-in-one educational software**

Spark**Touch** comes with eins**OS**, an operating system built exclusively for education.

SPARK TOUCH

www.eins.ai

PRODUCT SPECIFICATIONS

PLATFORM

Embedded O/S	einsOS™ (Educational OS) - Android™ version
Main Processor	Quad-core ARM Cortex embedded 32-bit CPU 1.6GHz + Dedicated 450 MHz 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
WiFi	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™, MacOSX™, Linux™, CHrimebook™
I/O Ports	HDMI, USB 2.0, OTG micro USB, IR rceiver, 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)	Upto 100" for 16:9 aspect ratio (wide angle) & upto 80" for 4:3 aspect ratio
View angle	Vertical-95°, Horiztontal-110,°Diagonal-170 °
T/R Range	Upto 0.16
Tracking Speed & Response Time	120 FPS (can be extended upto 200 FPS) & 195 million dots/sec
Ambient Light ResistanceTechnology	830nm +/-20 & 650nm +/-20 dual band tracking technology (Visible and IR bands)
Calibration Technology	Automatic as well as Manual Calibration
Power Requirement	5V
Power Consumption	<1W
Operating & Storage Environment	Temperature: -10 to + 60 degree; Humidity: 0% to 95%
Accuracy	+/-2px

STYLUS

Power Demand	Super-Capacitive technology, No Consumables, 3 minutes charging time through USB