ScienceCube

MAX-A2

(KDM-MAX-A2)

All in One type Interface!

|	
Acquisition	**Sampling rate Max. 500 KHz (sweep mode only)** **Analog input 4Ch, Digital I/O 1Ch**
Analysis	**Calculating formulas to drawing graphs by touching the icon.**
Result & Report	**Students can write a report which is made for a subject of experiment.**
High Performance	**10.5" Big screen** **2.0 GHz Octa-core**

■ Features & Benefits

- MBL interface and smart device consist of one, so you can make an experiment more easily and quickly.

- Science#™ logging program is built-in(pre-install), it enables experimentation, analysis and report by using various built-in contents.

- Enables more efficient laboratory operation by utilizing experiment and report sharing through the network.
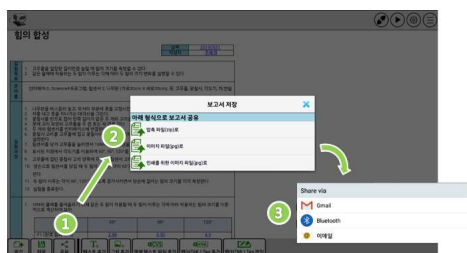

- You can make an experiment by connecting various sensors of ScienceCube® using 4 channels of sensor ports and 1 channel of digital in/out ports.

- It is a perfect ICT device for educational environments, because it supports network enabling teacher to monitor student.

■ Science# Logging Application

- Analysis base on Contents.
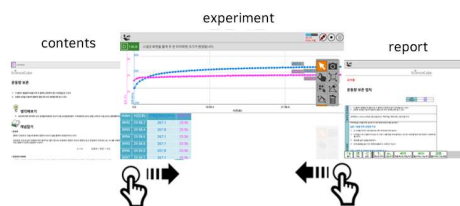
- A variety contents for Physics, Chemistry, Biology and Earth Science.

- Experiment environment Auto-configuration.
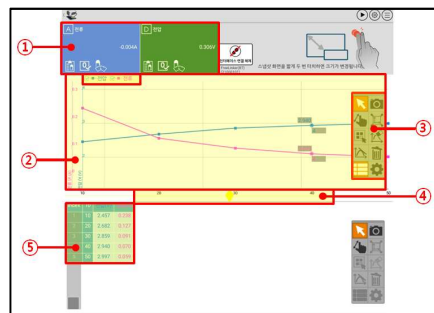
It is possible to connect all ScienceCube® interface and data logger.

GET IT ON Google Play

■ Technical data

Performance

Display	
Size	10.5" + 10 point Capacitive Touch
Resolution	1920 * 1280 FHD
Processor	
Main-Application	2.0 GHz Octa Core CPU
Sub-Acquisition	120MHz, 32bit MCU
Storage	
RAM	4GB
Flash Memory	64GB
Expandable(Optional)	MicroSD (factory built-in)
Operating System	Android 12
Video Camera	5M Pixel(Rear)
	2M Pixel(Front)
Connectivity	Wi-Fi 802.11b/g/n/ac@2.4G+5GHz
	Bluetooth 5.0
Audio	Internal Speaker * 2
	Internal Microphone * 1
	Audio Output * 1
	MIC. input * 1

Datalogging

Measurement	
Real time	1,000 Samples/s.
Sweep mode	Max. 500,000 Samples/s
AD Resolution	12bit
Sensor Ports	
Analog & Digital	4 channels
Digital I/O & Sensor	1 channel
Built-in Sensors	3-axis Accelerometer
	3-axis Gyroscope
	Sound

General

Power Requirements	
USB Type-C	DC 5V, 2.0A
Rechargeable Battery	Li-Polymer
Main System	5,300mAh
Sub System	2,000mAh or 4,000mAh (*Optional)
Environment	
Operating	0 .. 40°C
Storage	-40 .. 60°C
Warranty	3 years

Mechanics

Dimensions	294 x 193 x 50mm (W x L x H)
Weight	860g (30 oz)
Housing Materials	ABS + Rubber

Packaging & Accessories

Packaging Dimensions	380 x 285 x 85mm (W x L x H)
Packaging Weight	1.6 Kg (3.5 lb)
Packaging Materials	
Carton	Paper
Internal cushioning	PE-Foam
Include Cables	
Sensors	1394-6P plug (1.5m) * 4
USB Charging	USB Type A/C (0.8m) * 1
Charging USB Adaptor	* Optional (Varies by country)
Input	AC220V, 50/60Hz
Output	DC5V, 2.0A (USB type A)

■ Functions
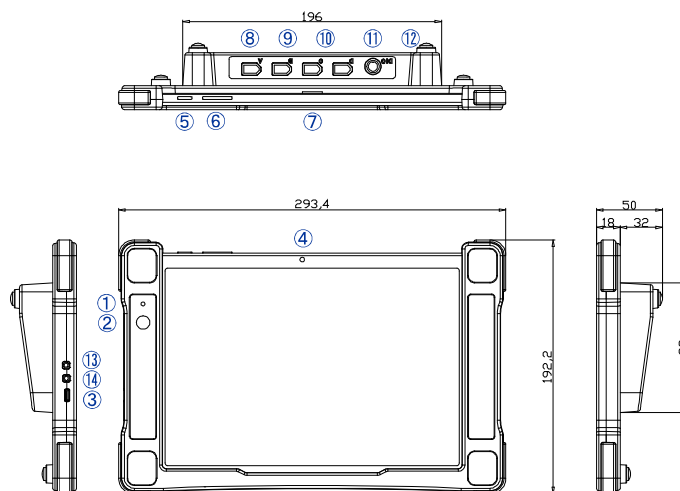
①INTERFACE STATUS LED
②INTERFACE POWER ON/OFF
③POWER INPUT/CHARGE(USB-Type C)
④FRONT CAMERA
⑤MAIN POWER ON/OFF
⑥SOUND VOLUME UP/DOWN
⑦REAR CAMERA
⑧ANALOG/DIGITAL SENSORS PORT [A]
⑨ANALOG/DIGITAL SENSORS PORT [B]
⑩ANALOG/DIGITAL SENSORS PORT [C]
⑪ANALOG/DIGITAL SENSORS PORT [D]
⑫DIGITAL I/O & SENSOR PORT
⑬AUDIO OUTPUT
⑭MIC. INPUT

■ Notices

- This product is to be used for science educational purposes only.
- It is not appropriate for any industrial, medical, or commercial applications.