

The NOVA 8 logo, with 'nova' in orange lowercase letters and '8' in a stylized white font with an orange outline, all enclosed in an orange oval.

Introducing NOVA 8, Fourier Education's next-generation addition to the NOVA data logger family. The NOVA 8 is an advanced, affordable Android tablet with a built-in data logger that gets students excited about science investigation in the classroom or in the field.

Included with the NOVA 8 is the new, full version MiLAB data analysis application, which is based on Fourier's award-winning MultiLab software. MiLAB features an intuitive and user-friendly interface that makes it easy for students to collect, interpret and understand data collected. Other features include: data collection from up to 8 sensors simultaneously, sampling rates of 100,000 samples per second, Wi-Fi & Bluetooth connectivity, as well as teacher-friendly projector connectivity.

Additionally, NOVA 8 is bundled with a suite of Office compatible applications and science resources such as an interactive periodic table, unit converter and multimedia simulations that lets students create dynamic lab reports at the conclusion of an experiment.

Key Features

- Android Ice Cream Sandwich 4.0
- 7" capacitive 1024X600 multitouch screens
- Dual core 1.2GHz Rockchip 3066
- 2D/3D graphics Graphic Accelerator
- Wi-Fi: 802.11 b/g/n, Bluetooth: version 2.0, Ethernet: 10/100 (via adaptor) and GPS Connectivity
- 2 cameras, Microphone, GPS, accelerometer built-in (optional sensors – temperature, pressure, humidity, Light & UV)
- Stereo speakers (2 x 1W)
- 1GB RAM, 4 GB Flash memory
- AC Adapter/Battery charger (up to 8 hours) power supply
- Data analysis software: MiLAB



MiLAB Data Analysis App for Android and iOS features

- Professional data analysis tool
- Multiple data display modes: graphs, tables, meters and map
- Drag & drop window displays
- Customized views
- Real-time data measurement via built-in and external sensors
- Supports over 65 Fourier's sensors
- NOVA AIR wireless compatibility
- Supports GPS for location-based experiments
- Advanced search tool
- Intuitive and simple interface
- Experiment note-taking feature
- Export and Share options
- Supports various types of android mobile devices (tablets and smartphones) – 7", 5", 10"

Free Download



NOVA8 - 2013 Software Applications - Included:

- MiLAB data collection and analysis software
- Android Browser
- Bundled Applications: Unit converter, Periodic table, Office Compatible applications, Scientific Calculator, Flash player and Stopwatch Software for Teachers, control from PC



Technical Specification

Features:

- Processor: Dual core 1.2GHz Rockchip 3066
- Operating System: Android Ice Cream Sandwich 4.0
- Screen Resolution: 7" capacitive 1024X600 multitouch screens
- RAM: 1GB
- Flash memory: 4 GB
- Graphic Accelerator: 2D/3D graphics
- Connectivity:
 - Wi-Fi: 802.11 b/g/n
 - Bluetooth: version 2.0
 - Ethernet: 10/100 (via adaptor)
 - GPS
- Speaker: stereo Audio (2 speakers x 1W)
- Power Supply: AC Adapter/Battery charger (up to 8 hours)
- Data analysis software: MiLAB

Inputs:

- Auto ID
- 8 sensor input mode

Outputs:

- Sampling Resolution: 12-bit
- Sampling Rate A/D up to 100 ksp/s:
 - 1 sensor = 100K, 2 sensors = 2 x 50 Ksp/s, 3 sensors = 3 x 33.3 Ksp/s, 4 sensors = 4 x 25 Ksp/s
 - * Sampling Rate calculation = $100K \div \text{number of sensors}$

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