

Integrating Student
Computing & Science

fourier



NOVA⁵⁰⁰⁰TM

Affordable student computing

Enhancing Science Teaching and Learning



Green Nova

Low power consumption
up to 8 hours battery life



Biodegradable

To create a 21st century science learning environment, schools must provide students with the tools they need to research the Internet, design experiments, gather data, analyze data, communicate results, and demonstrate learning. Designed specifically for education, the revolutionary Nova5000 includes integrated applications for word processing, spreadsheets, presentations, and data analysis. The Nova5000 also includes a graphing calculator and the award winning education software Inspiration, LearnStar, LanSchool, GoManage and NetTrekker d.i.

The Nova5000 comes with an integrated data logger to provide students with hands-on experiences in science classrooms. National Science Foundation research demonstrates that probeware functionality substantially improves student achievement in mathematics and science. The Nova5000 not only improves student achievement with its probeware functionality but also enhances science teaching and learning by helping schools create a 21st century environment.



- Rugged, student computing device with a 7" 800x480 color touch screen
- Windows CE.NET 5.0 operating system
- Low power Intel XScale processor for instant on and 8 hour battery life
- Integrated WiFi 802.11 b/g
- Built-in Fourier MultiLogPRO data logger with supporting math and science curriculum software
- Flexible design with Ethernet, USB, CF and SD card ports
- Dimensions: 9.33" x 7.32" x 1.7"
- Weight: 2.4 lbs (1,090 gr.)





Surfing the Internet



Built-in 8 channel, 12-bit data logger with MultiLab analysis software



Using a spreadsheet



Working with a Word processor



Acceleration, Ammonium, Anemometer, Breathing, Calcium, Charge, Chloride, CO₂ Gas, Colorimeter, Conductivity, Control Switch, Current ($\pm 2.5A$, Current ($\pm 250mA$), Distance, Drop Counter, EKG, Flow Rate, Force, Geiger-Muller Counter, Heart Rate Exercise, Heart Rate Pulse, Humidity (5% Accuracy), Light (0 – 300 lx), Light (triple range), Magnetic Field, Microphone, Nitrate, Oxygen, pH, Photo Gate, Potassium, Pressure (0 – 10 kPa), Pressure (0 – 700 kPa), Pressure (150 – 1150 kPa), Rain Collector, Rotary Motion, Smart Pulley, Soil Moisture, Sound Level, Temperature (-200 – 400 °C), Temperature (-25 – 110 °C), Temperature (0 – 1200 °C), Turbidity, Voltage ($\pm 50mV$), Voltage (0 – 5 V), Voltage ($\pm 2.5V$), Voltage ($\pm 25V$)

	Nova5000SX	Nova5000EX
	Science Cart	Full 1:1
	High End Data Logger	Curriculum Machine
Specifications		
Intel XScale PXA320 processor, 624 MHz	✓	✓
7 inch TFT LCD screen (800 x 480 pxl, 65,000 colors, 400 cd/m2)	✓	✓
Touch screen	✓	✓
128 MB RAM	✓	✓
256 MB NAND Flash memory	✓	✓
Built-in 2D graphic accelerator	✓	✓
RTC (Real-time Clock)	✓	✓
Dimensions	9.33" x 7.32" x 1.7"	9.33" x 7.32" x 1.7"
Weight (including battery)	2.4 lbs (1,090 gr.)	2.4 lbs (1,090 gr.)
Software Applications		
Windows CE.NET 5.0 operating system	✓	✓
Windows Media Player 9	✓	✓
Internet Explorer 6	✓	✓
Inbox (Client e-mail) supporting POP3, IMAP4	✓	✓
TextMaker 2008 (Word look alike)	✓	✓
PlanMaker 2008 (Excel look alike)	✓	✓
Presentations 2008 (PowerPoint look alike)	✓	✓
Inspiration concept mapping software	✓	✓
netTrekker search engine	✓	✓
Portrait-4 scientific graphic calculator	✓	✓
GoKnow Learning Environment	✓	✓
MultiLab data collection and analysis software	✓	✓
WordPad	✓	✓
CalcCE scientific and statistical calculator	✓	✓
Remote Desktop Connection	✓	✓
Microsoft Transcriber with character recognition	✓	✓
Flash Lite 3.1 (Flash 8 compatible) plug-in	✓	✓
Printer drivers (for printers with PCL support)	✓	✓
PrintBoy printing application	✓	✓
Sound Recorder	✓	✓
NovaCapture	✓	✓
NovaNotes (for audio, sketch and note taking)	✓	✓
Unit Converter	✓	✓
Periodic Table	✓	✓
Hardware Peripherals		
Ethernet port 10/100	✓	✓
Integrated WiFi 802.11 b/g	✓	✓
3 USB 1.1 Host ports with support for keyboard, mouse, flash memory, etc.	✓	✓
USB Sync port (supporting ActiveSync connection)	✓	✓
CompactFlash card slot	✓	✓
SD card port	✓	✓
Earphone and Microphone ports	✓	✓
Built-in audio speaker (Mono)	✓	✓
12-bit / 8 input sensor interface (for data logging)	✓	✓
Standard VGA display port	✓	✓
Optional Accessories		
Full USB keyboard	✓	✓
Mini USB mouse	✓	✓
Nova5000 carrying case	✓	✓
Large Nova5000 carrying case	✓	✓
8 hours rechargeable battery pack	✓	✓
Extended 3-year Warranty	✓	✓
USB communication cable 5 ft (1.5 m)	✓	✓
AC Adapter / Battery charger	✓	✓
CE, FCC compliance	✓	✓

www.fourier-sys.com
www.nova5000.com
www.novaalliance.com

For more information
Customer Support: 877.266.4066
Technical Support: 866.771.NOVA
info@fourier-sys.com

