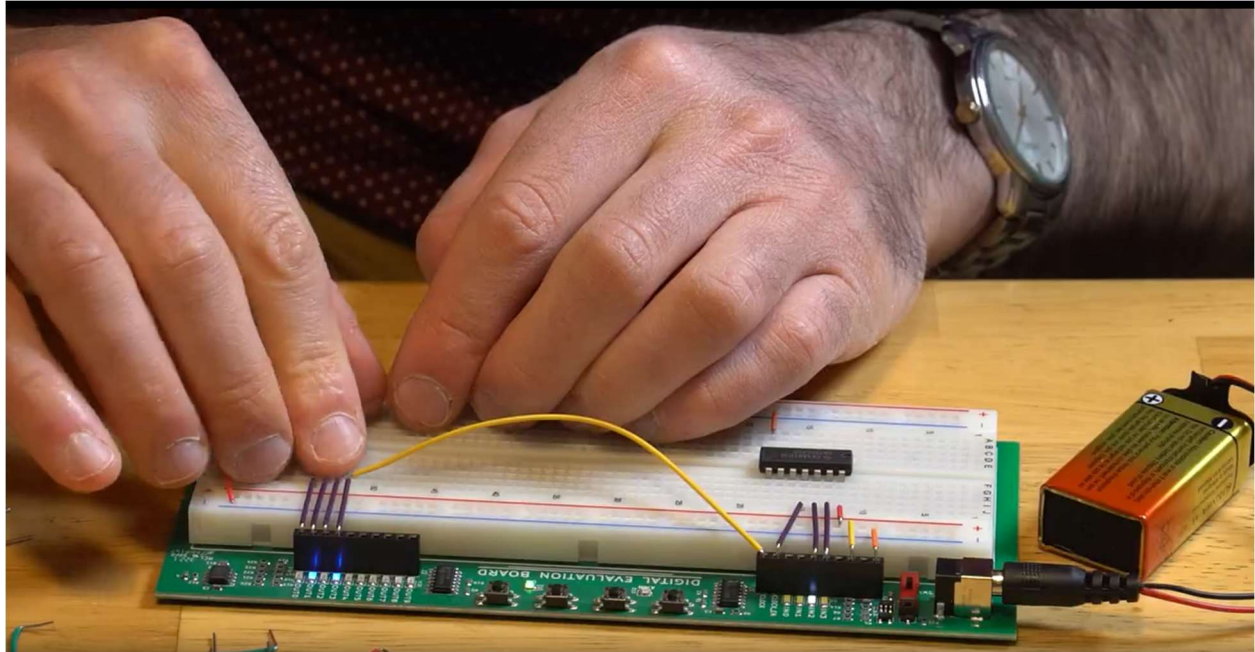


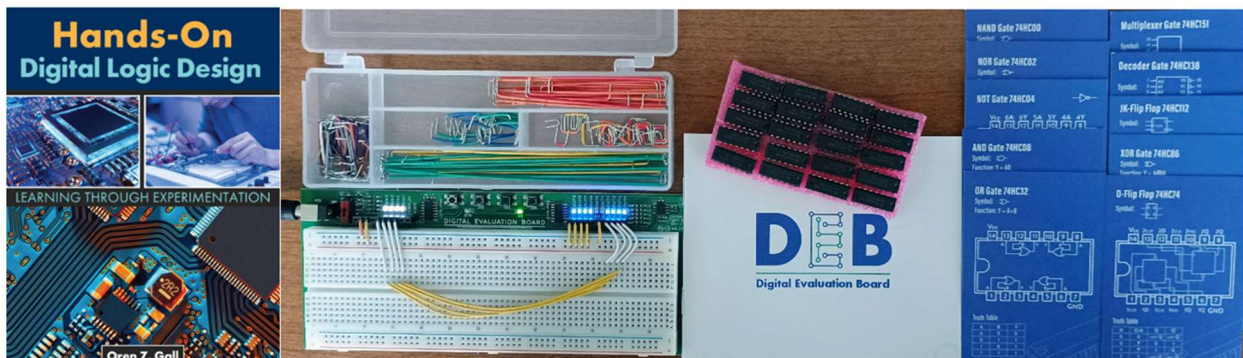
Digital Evaluation Board Product Sheet



Portable, Hands-On Circuit Prototyping for STEM Learning

The **Digital Evaluation Board (DEB-1002 and DEB PLUS models)** is a self-contained circuit prototyping platform designed for students, educators, and technology enthusiasts. It enables hands-on digital logic design learning without the need for expensive lab equipment.

With built-in error detection, power management, and essential integrated circuit components, the DEB provides an intuitive and interactive learning experience. Whether in the classroom, at home, or in a remote learning setting, the DEB fosters critical thinking, problem-solving, and real-world engineering skills.



Key Features

- ✓ **Prototyping Breadboard** – Standard 63-row breadboard for easy assembly and experimentation.
- ✓ **Built-In Error Detection** – ATTN yellow indicator light signals circuit errors, while the green ON light confirms normal operation.
- ✓ **Push-Type Switches (4)** – Prevent disruptions to existing connections while designing circuits.
- ✓ **Embedded Clock and Clock Enable Pins** – Allow precise control over timing functions.
- ✓ **Input & Output Pins** – Four (0-3) input pins and ten (0-9) output pins with LED indicators.
- ✓ **20 Integrated Circuits (ICs)** – Includes 10 varieties for digital logic learning.
- ✓ **Solid-Core Wire Kit** – 140 pre-cut and bent pieces in 14 sizes for structured circuit design.
- ✓ **Anti-Static Packaging** – Protects components for long-term durability.
- ✓ (DEB PLUS model ONLY) **Durable PCB Base** – Rugged construction and Extender Board compatibility.
- ✓ (DEB PLUS model ONLY) **Additional Breadboard** – Save your favorite project or use for tinkering.
- ✓ (DEB PLUS model ONLY) **Compatibility with the Extender Board** – Enables more complex circuit design products with multiple breadboards.

Technical Specifications

- **Operating Voltage:** 5V (9V power supply included)
- **Board Dimensions:** 174mm x 75mm x 1.6mm
- **Shipping Weight:** 1.6 lbs (1.8 lbs for PLUS) w/components/accessories/packaging
- **Power Pins:** 4 power input connections

- **Switches:** 4 built-in push-type switches
- **Input/Output Pins:** 4 input pins (0-3) and 10 output pins (0-9) with LED indicators
- **Breadboarding Area:** 63-row prototyping breadboard
- **Error Detection:** ATTN light (yellow for short condition) and ON light (green for normal operation)
- **Included Components:** 20 ICs, schematic cards, and pre-cut solid-core wire kit
- **Power Supply:** 9V battery and connection cable

Who Is It For?

- ◆ **Students** – Learn digital circuit design through hands-on experimentation.
- ◆ **Educators** – A cost-effective, portable alternative to traditional lab setups.
- ◆ **STEM Enthusiasts & Makers** – Build and test real-world digital logic circuits anywhere.
- ◆ **Tinkerers** – A complete electronics lab-in-a-box, perfect for circuit exploration.

Why Choose the Digital Evaluation Board?

- **Self-Contained & Portable** – No additional equipment needed.
- **Error-Sensing Technology** – Helps students troubleshoot circuits quickly.
- **Supports STEM & STEAM Education** – Integrates seamlessly into digital logic courses.
- **Expandable Learning** – Comes with schematic cards and online project resources.

The DEB is a perfect tool for High School, College, and Independent Learners!

Order Now & Start Thinking Like an Engineer!

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📦 **Bulk & Institutional Orders Available!** Contact us for distributor pricing and partnership opportunities.

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