



## Product Overview

The DSP Educational Practice Board – DSP Starter Kit is an advanced learning platform designed for practical experimentation and development in Digital Signal Processing (DSP). The system is based on the TMS320C6748 LCDK (Low Cost Development Kit) and provides a complete environment for students, researchers, and engineers to understand DSP concepts and real-time signal processing applications.

This starter kit includes essential accessories such as an XDS100 emulator, audio interface cables, microphone and speaker set, and an NTSC/PAL camera for video and image processing experiments. The kit is widely used in engineering colleges, embedded system laboratories, and research institutions for DSP algorithm implementation and multimedia signal processing applications.

## Technical Specifications

Parameter	Specification
Product Name	DSP Educational Practice Board – DSP Starter Kit
Development Board	TMS320C6748 LCDK Board
Emulator	XDS100 Emulator
Auxiliary Cable	3.5 mm Stereo Cable
Audio Accessories	Microphone & Speaker Set Compatible with DSP Kit
Video Interface	NTSC / PAL Camera for LCDK Board
Application Area	Digital Signal Processing Experiments and Development
Usage	Educational, Training and Research Applications

*Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.*



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**Key Features**

- Based on TMS320C6748 DSP processor platform.
- Complete DSP learning and development environment.
- Integrated XDS100 emulator for programming and debugging.
- 3.5 mm stereo audio interface for signal input and output.
- Microphone and speaker set for audio signal processing experiments.
- NTSC/PAL camera interface for video processing applications.
- Suitable for real-time DSP algorithm implementation.
- Ideal for engineering education and embedded system research.

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