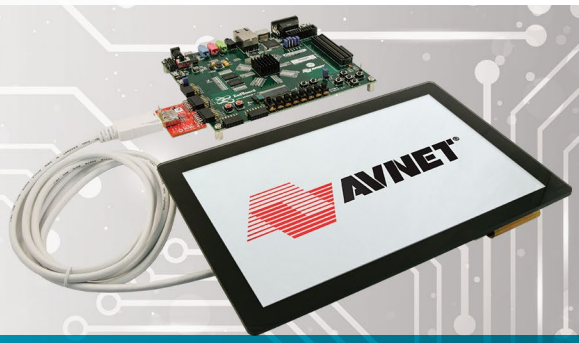
10-inch Touch Display Kit



Electronics Marketing

Technology

DESIGNED BY AVNET

microZed™ Compatible

ZedBoard™ Compatible

picoZed™ Compatible

Avnet's 10-inch Touch Display Kit demonstrates a complete embedded display system, allowing for video output to an integrated 10-inch LVDS display with the benefits of projected capacitive touch technology. The kit combines a 1280 x 800 WXGA TFT-LCD display with a PCAP touch sensor overlay, I2C touch controller, LED backlight supply, haptic feedback driver, 3-axis accelerometer and all the necessary cables for connecting to a development board. The touch display easily connects to the ZedBoard™, MicroZed™, PicoZed™, or Zynq® Mini-ITX through the standard DisplayPort cable and adapter cards included with the kit.

The 10-inch Touch Display Kit is supported by the www.microzed.org community website where users can download kit documentation and reference designs as well as collaborate with other engineers also working on Zynq designs.

Feature List

- Demonstrates a complete embedded display system
- Output to integrated 10" WXGA display
- Provides benefits of integrated PCAP touch solution
- Touch overlay capabilities
  - Single finger touch
  - Water droplet rejection
  - Laxex glove and light duty glove operation
  - Touch controller tuned for 4 mm glass panel thickness
  - Reference design tutorials available for download from MicroZed.org community website.

Target Apps

- Instrumentation
- Gaming Machine
- ATM
- Kiosk

Kit Includes

- 10-inch display assembly
- Ampire LVDS 10.1 inch WXGA TFT-LCD with LED backlight
- Integrated Projected Capacitive (PCAP) touch overlay
- Integrated PCAP controller flex tail
- Samsung Linear Resonant Actuator (LRA) for haptics
- ALI3 Ampire 10 inch display adapter board
- Zed LCD interface interposer board
- Standard DisplayPort to Mini DisplayPort cable
- 12V power supply
- Getting Started Instructions

To purchase this kit, visit www.em.avnet.com/display10touch

Featured Manufacturers

Parts:

Part Number	Description	Resale
AES-ALI3-AMPIRE10-G	10-inch Touch Display Kit	$499

Related Parts:

Part Number	Description	Resale
AES-Z7EV-7Z020-G	ZedBoard	$475
AES-Z7MB-7Z010-G	MicroZed Evaluation Kit	$199
AES-Mini-ITX-7Z045-BAS-G	Xilinx Zynq-7000 AP SoC XC7Z045 Mini-ITX Base Kit	$1995
AES-Mini-ITX-7Z100-BAS-G	Xilinx Zynq-7000 AP SoC XC7Z100 Mini-ITX Base Kit	$2195
AES-ALI3-ZED-G	7-inch ZedBoard Touch Display Kit	$499

Countries Available for Purchase: Americas, EMEA, Asia, Japan

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