10-inch Touch Display Kit

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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™ with compatible carrier, PicoZed™ with compatible carrier, 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 MicroZed community website where users can download kit documentation and reference designs as well as collaborate with other engineers also working on Zynq designs.

FEATURES

- 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.

To purchase this kit, visit microzed.org

DESIGNED BY AVNET

COMPATIBLE WITH

/ZEDBOARD™
/MICROZED™
/PICOZED™

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

TARGET APPLICATIONS

- Instrumentation
- Gaming Machine
- ATM
- Kiosk

FEATURED MANUFACTURERS

maxim integrated™   NXP   TE connectivity AUTHORIZED DISTRIBUTOR   TEXAS INSTRUMENTS   SAMSUNG

PARTS

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

RELATED PARTS

Part Number	Description	Resale
AES-Z7EV-7Z020-G	ZedBoard	$475 USD
AES-Z7MB-7Z010-G	MicroZed Evaluation Kit	$199 USD
AES-Mini-ITX-7Z045-BAS-G	Xilinx Zynq-7000 AP SoC XC7Z045 Mini-ITX Base Kit	$1,995 USD
AES-Mini-ITX-7Z100-BAS-G	Xilinx Zynq-7000 AP SoC XC7Z100 Mini-ITX Base Kit	$2,195 USD
AES-ALI3-ZED-G	7-inch ZedBoard Touch Display Kit	$499 USD

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

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