

# TRITON Development Kit-3

The TDK-3 is a ready-to-use development system for creating applications based on the TRITON-PXA270 embedded processor board. From the manufacturers who created the first PXA250 embedded module and currently offer the widest choice of PXA255 modules - comes the next generation PDA processor from Intel.

## Base Board

- DIMM200 TRITON socket
- Compact Flash type II socket, selectable true-IDE or CF mode
- SD/MMC-card socket
- 3 x RS232 on 10pin flat cable headers
- USB-Device connector
- USB-Host connector
- D-SUB 15 VGA connector
- UCB1400 audio codec & touchscreen controller
- 2 x 3.5mm audio connectors (stereo line in, headphone)
- JTAG interface
- All pins of the TRITON socket are connected to flat cable headers
- Daughter board slot for easy application design-in
- 10/100 Mbit/s Ethernet (LAN91C111)
- 3.3V single supply design, 5V also available onboard
- Operating Voltage Range: 8 to 24VDC
- Transient protected for automotive applications
- 100mm x 160mm, overall height 17mm
- Schematics of the carrier board are included for reference.



## Display

- XENARC 700TSM™
- 7" TFT LCD Monitor & Touch Screen
- Screen Size: Diagonal 7" (16:9)
- Physical Resolution: 800 (H) x 480 (V)
- Supported Resolution: 640 x 480 ~ 1600 x 1200
- Display Brightness 300 cd/m<sup>2</sup>
- Touch Screen Interface: USB port
- Operating Voltage Range: DC 11V ~ 24V, 1A
- Power Supply: DC 12V
- Power Consumption: <8W
- Operating Temperature: -5°C~70°C
- FCC, CE, E13 Certification
- No dead Pixel Guarantee



## Software

Apart from the pre-installed RedBoot™ firmware, the Kit-3 is supplied with the choice of a pre-installed Linux™ kernel or Windows CE 5.0 together with a comprehensive suite of utilities, so that application development can start immediately. Both Linux and WinCE can be extended to suit your project – and you are able to download free updates from our website at any time.

## Support Services

In addition to responsive technical support, we offer a wide range of consulting services from custom hardware design, in-house manufacturing to software development. We welcome your enquiry.