

TX Development Kit-5

Freescale i.MX processors run Windows CE 6.0 and Linux 2.6

Key features :

- Compatible with TRITON TX-STAR, TX27 or TX37 SOM
- Ethernet 10/100
- USB 2.0 host / OTG connectors
- Two SD-card sockets
- VGA via D-SUB 15 connector
- 40 pin LCD header
- UCB1400 audio code and touchscreen
- RS232 on 10-pin flat cable header
- RS232 on SUB-D connector
- 3.5 mm headphone connector
- JTAG interface
- All pins of TX socket connected to daughterboard slot for easy system expansion
- Operating voltage : 5 VDC
- Power Supply by USB OTG or screw header
- Dimensions: 160 x 100 mm
- Includes schematics of the carrier board



Overview

The Development Kit-5 is supplied with TRITON TX-STAR, TX27 or TX37 Computer-on-Modules and together with Windows Embedded CE 6.0 or Linux 2.6 (not TX37) pre-installed.

The TX modules are smaller than a credit card and are targeted at mobile embedded applications that require low power consumption for longest battery life. The Development Kit 5 is supplied with your choice of TX module together with OS, cables, manual and carrier schematics – everything needed to get a fast start.

And because these products are supplied by Strategic Test, you can trust that the hardware and software is stable and backed up by truly responsive and competent technical support. Almost uniquely, all hardware and software development and manufacturing is performed in house - so that quality is controlled from start to end and we can guarantee service levels of technical support.

Advantages of System-on-Module

By using a SOM as the basis of a new product design, the company eliminates the most difficult development tasks of processor system and operating system development. This leads to fast prototyping of new product ideas and time-to-market, plus you benefit from ongoing BSP updates that are free of charge.

The only hardware development usually needed is a simple 2 or 4-layer carrier board (similar to the carrier in the Development Kit-5), which is well within the skills of most companies.

What's included in the Kit-5

- Development Kit-5 carrier board
- TX27 module, 400 MHz cpu, 64 MB SDRAM, 128 MB Flash
- DB9 Null-Modem cable
- USB cable
- CD (Manual, Windows CE 5.0 and 6.0 BSP's, Linux 2.6 BSP, Linux sources, carrier board schematics, Tools)

Warranty, Technical Support and Software Updates

Included within the price of each Kit:

- 24 months hardware warranty
- 24 months software and documentation updates, downloadable from customer area on our website

Technical support is available as a cost-option either when the Kit is purchased or anytime later.

Ordering information

Order Number	
TDK-5-L-TXSTAR	Linux 2.6
TDK-5-W-TXSTAR	WinCE 6.0
TDK-5-L-TX27	Linux 2.6
TDK-5-W-TX27	WinCE 6.0
TDK-5-W-TX37	WinCE 6.0

Display (option)

The Xenarc display connects to the Kit's VGA connector and USB for touch.

- XENARC 700TSV™
- 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/m²
- 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



Last update: 20090208

Title: TX_Development_Kit-5_Datasheet.doc