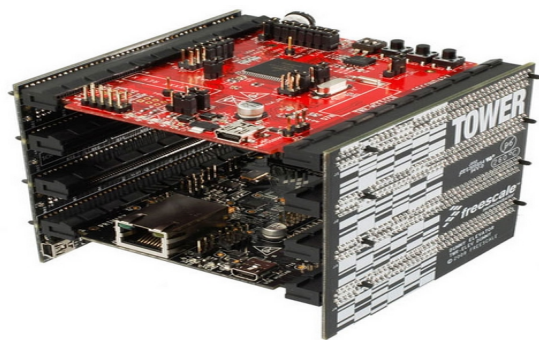




Freescale - TWR-MPC5125-KIT - TWR-MPC5125-KIT Tower System Kit

Product Overview:

The TWR-MPC5125 MPU module is part of the Freescale Tower System, a modular development platform that enables rapid prototyping and tool re-use through reconfigurable hardware. The TWR-MPC5125 features the MPC5125, a cost and power consumption optimized, industrial networking, automotive and human-machine interface (HMI) solution. It helps reduce your development time, provides more communication peripherals at a competitive price and delivers ultra-low power without sacrificing performance.



Kit Contents:

- TWR-MPC5125 MPU serial module
- TWR-SER - Serial module that features Ethernet, USB, RS232/485 and CAN
- TWR-ELEV - Two elevator boards that provide structural integrity, communications interfaces, power regulation circuitry with standardized bus
- HDMI to DVI-D Adaptor
- Dual Type A to MiniB USB Cable
- MiniA to Female Type A USB Cable
- Type A to DC Plug Cable
- An interactive DVD with lab tutorials, software, training and collateral
- A printed guide on how to quickly get started using the development kit.

Key Features:

- TWR-MPC5125 MPU Serial Card
 - 4 GB of MLC NAND flash
 - 256 MB of DDR2
 - HDMI port with HDMI-DVI adaptor
 - USB2.0 OTG host/device port with 4:1 USB hub
 - On-board microphone and audio stereo out jack

- 10/100BaseT Ethernet port
- CAN 2.0 A/B port
- SD card interface Includes out-of-the-box experience including Quick Start Guide, auto play demo and board flashing lab
- Board boots to auto play graphical demo driving display over HDMI port
- Interrupt auto play demo for boot to MQX or Linux
- Managed website to download desired demos/labs
- Board flashing lab explains how to download demos/labs
- Board control using keyboard/mouse over USB hub
- TWR-SER Peripheral Module Features:
 - RS232 and RS485
 - Ethernet
 - CAN
 - USB supporting host, device and OTG modes
- TWR-ELEV Features:
 - supports external communications interfaces
 - Includes power regulation circuitry with standardized bus
 - Four card-edge PCI Express connectors
 - Two 80-pin connectors on the outside to support debugging or expansion to LCD module

Ordering Information:

Products:

Part Number	Manufacturer	Farnell P/N	Newark P/N
TWR-MPC5125-KIT	Freescale	1800441	64R7605

Associated Products:

Part Number	Manufacturer	Description	Farnell P/N	Newark P/N
MPC5125YVN400	Freescale	Embedded Processor IC	1797727	69R7775
MC9S08JM60CLD	Freescale	8-Bit Microcontroller IC	1562864	69M3813
MMA7660FCR1	Freescale	Accelerometer IC	1739551	74P0442

Similar Products:

Part Number	Manufacturer	Description	Support Device	Farnell P/N	Newark P/N
TWR-MCF51CN	Freescale	Tower System - MCU Board Featuring	MCF51CN	1718353	11R0868

		MCF51CN Controller			
TWR-MCF51MM	Freescale	Tower System - MCU Board Featuring MCF51MM Controller	MCF51MM	1812170	69R0536
TWR-MCF5225X	Freescale	Tower System - MCU Board Featuring MCF5225X Controller	MCF5225X	1784752	51R8550

Document List:

Datasheets:

Part Number	Description	Size
MPC5125YVN400	32-bit microprocessor	604KB
MC9S08JM60CLD	8-bit USB Microcontroller	4.79MB
MMA7660FCR1	3-Axis Xtrinsic Accelerometer	797KB

Application Notes:

File Name	Size
NAND Flash Boot	858KB

Hardware & Software:

File Name	Size
Tower Configuration Tool	199KB
Schematic	410KB
Linux BSP for MPC5125	179MB
TWR-MPC5125 CDC software driver	976Bytes
Evaluation: CodeWarrior for Mobile, GT, Application Edtn (Windows)	266MB