

# LINUX RAPIDIO DEVELOPMENT KIT



SILICON TURNKEY EXPRESS BRINGS A COMPLETE TOOL FOR LINUX AND RAPIDIO WITH

## BOARD SUPPORT PACKAGE

- . 8548 LINUX KERNEL VERSION 2.6.17
- . COMPLETE I/O SUPPORT
- . 2 x UART
- . 2 x GIGE (TSEC)
- . SRIO SUBSYSTEM
  - . STANDARD SYSTEM ENUMERATION AND MANAGEMENT OF NODES
  - . USER SPACE QUERYING OF NODE DATA AND CONFIGURATION
  - . ACCESS TO MAILBOXES AND DOORBELLS
  - . DRIVER TO IMPLEMENT ETHERNET OVER SRIO WITH LINUX (TCP/IP)

## FULL FEATURE EMBEDDED LINUX DISTRIBUTION FOR THE 8548

- . INCLUDES CROSS AND NATIVE TOOLCHAINS

## RICH USERLAND FILE SYSTEM WITH OVER 100 TARGET PACKAGES

## DIRECT SUPPORT FOR

- . MPC8540, MPC8560, MPC8548, Tsi500, Tsi568, Tsi578 & IDT70K2000, 80K2000

## VALIDATED SOFTWARE COMPONENTS FOR RAPIDIO INCLUDES

- . BSP, RIO KERNEL SUPPORT, RIO NETWORK DRIVER,
- . RIO USER SPACE LIBRARY, RIO USER SPACE SAMPLES CODE AND UTILITIES

## OTHER SUPPORTED FEATURES:

- . LINUX DEVICE MODEL COMPLIANT SUBSYSTEM ENCAPSULATING RIO HARDWARE DEVICES
- . RESOURCE MANAGEMENT FRAMEWORK FOR DOORBELL, MAILBOX, AND MMIO REGION RESOURCES
- . RIO MESSAGING ACCESS FROM USER SPACE VIA BSD SOCKETS API AND LINUX RIO NETWORK DRIVER
- . DESIGNED TO SUPPORT KERNEL AND USER SPACE ACCESS TO RIO DEVICE MMIO REGIONS
- . DESIGNED TO SUPPORT USER SPACE ACCESS TO RIO DOORBELL TRANSMISSION AND RECEPTION
- . DESIGNED TO SUPPORT PORT WRITE COMMAND HANDLING AND ADVANCED ERROR MANAGEMENT

20 HOURS OF EMAIL OR PHONE SUPPORT

STANDALONE LRDK PRICE \$10,000.00

STX RECOMMENDS FET SOFTWARE, [WWW.FET.COM](http://WWW.FET.COM),  
#1 FABRIC MANAGEMENT TOOL IN THE INDUSTRY!

