

# GX-Linux™ Enterprise

Freescale i.MX21 Edition with Complete C/C++ Support



## GX-Linux™ Enterprise Edition for Freescale i.MX21

- Powered by GNU X-Tools™ ARM Linux v4.1.2 Toolkit
- Linux v2.6.x board support package
- Library support includes glibc (v2.4) and libstdc++
- Board drivers, libraries, printed documentation
- Integrated with GNU X-Tools and Visual GDB debugger
- Supports Qtopia integration: Core, Platform, and Phone

Microcross GX-Linux™ Platforms are making embedded Linux easier to develop than ever before. GX-Linux™ features a complete embedded Linux development platform for the most popular Micro Single Board Computers (uSBC).

### Key Features

- Embedded Linux Toolkit
- Visual GDB debugger
- GDB Server
- Visual X-Tools™ IDE
- Linux v2.6.x kernel and BSP
- glibc and libstdc++ libraries
- ROM, Ext and NFS filesystems
- BusyBox filesystem utilities
- Linux Drivers
  - I2C
  - SPI
  - Serial I/O
  - USB host
  - SD/MMC
  - TCP/Ethernet
  - Display
  - Audio

The GX-Linux kit is intended for the serious developer to get started immediately using a full-featured Linux BSP and tools environment.

### Complete Solution Includes

- GNU X-Tools™ ARM Linux toolkit
- Printed user guide and electronic user documentation
- BSP source code with build and reconfiguration scripts and documentation to reconstruct, modify, or add-to the BSP on a developer's host computer
- Integrated communications to debug with a remote target using Visual GDB, GDB Server, Ethernet, Serial and TFTP services
- Visual X-Tools™ IDE available for complete visual application development and debugging
- MicroMonitor Boot ROM with ARM ATAGS support, tiny filesystem, TFTP and board drivers for serial, display and Ethernet
- 1-year of support and maintenance for keeping up with the latest stable kernel releases
- Additional yearly support and subscriptions offered

### Processors Supported

- Freescale i.MX21 ADS /ADSE
- Freescale i.MX21 LiteKit
- Freescale i.MXL LiteKit

### Optional Engineering Services

- MicroMonitor Boot Rom Ports
- Custom Board Startup
- Linux Device Driver Ports
- Custom Linux App Support

### Development Hosts Supported

- Red Hat Linux
- Debian Linux



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Microcross, Inc.  
104 Borders Way, Suite 100  
Warner Robins, GA 31088  
Tel: +1.478.953.1907 Fax: +1.478.953.7661  
www.microcross.com sales@microcross.com



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