



## Freescale P20xx PCIe/104 Board

### Hardware Features

- Ruggedized, industrial temperature grade
- Standard PCIe/104 form-factor
- Fully ROHS compliant
- Dual-Core P2020 and Single-Core P2010 QorIQ processors running up to 1.2GHz
- Up to 2 triple-speed copper ports
- USB2.0 host port
- RS-232 debug interface
- Standard 16-pin emulator development port
- RS-422 (500kbps) interface
- 128MByte (x16) NOR boot flash.
- 2GB SORDIMM DDR2-667MHz with ECC (x72)
- SATA (data only) interface

### Build Options Available

- P2010 - Single Core
- P2020 - Dual Core
- Custom options available

CelDel LLC is a leading supplier of standards-based embedded hardware and software specializing in high performance linux-based systems.

Drawing from over 100 years of experience in the field, our team serves the medical, military, commercial, instrumental and consumer electronics industries.

Where hardware and software overlap...  
for outstanding results.

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### Software Features

Two Linux installs are available for your application. When size and power are constrained we have a Small FootPrint Linux install designed to bring you most of the power of Linux for a limited code space. Or if memory is not an issue, we have a Full Debian Linux Install.

#### Full Debian Install

##### Linux 2.6 Kernel

Debian GNU/Linux provides more than a pure OS: it comes with over 25000 packages, precompiled software bundled up in a nice format for easy installation on your machine.

#### Small FootPrint Linux

##### Installed Utilities

- Linux 2.6 Kernel
- Complete cross-compiler based Linux Development Environment
- Codesourcery Tools
- Web based Build-Manager for creating root filesystem, and building linux kernel
- U-Boot
- Support for Linux boot from Flash, USB, Harddrive, or NFS

##### Installed Utilities

- HTTP webserver
- FTP Fileserver
- NFS Server and client
- SSH Secure Shell server and client
- Samba Server
- DHCP Server
- Telnet
- Busybox shell utilities for minimal footprint
- RS-232 Serial Console

