QNX® Libraries
(I/O Function Routines)

IPSW-API-QNX
Support for Industry Pack modules and carriers

PMCSW-API-QNX
Support for PMC, PCI, and CompactPCI boards

Application Programming Interface (API)
Acromag's software development tools greatly simplify the interface between the I/O boards and your software application program. The QNX libraries are supplied as "C" source code. These libraries provide easy-to-use function routines that quickly integrate with your application. Function routines are ready for use "as-is," but they are also easily customized for your unique application.
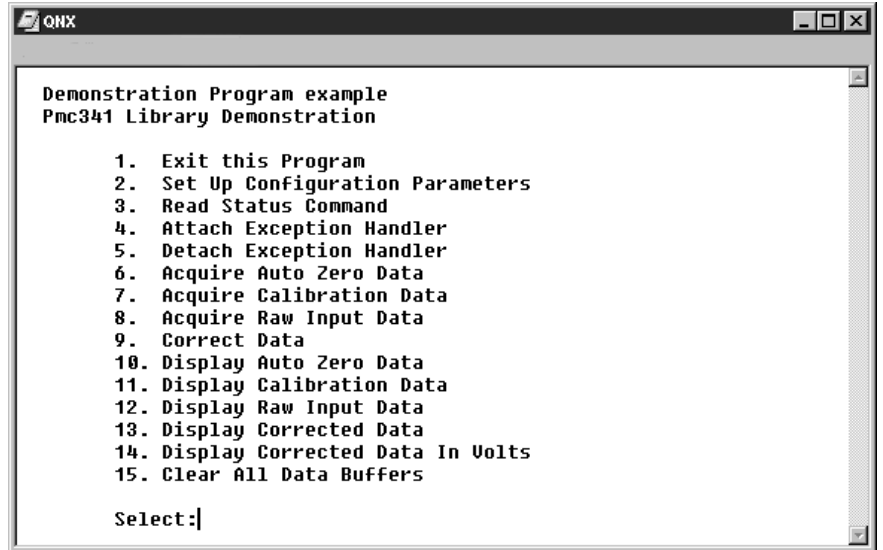
Features
■ Easy installation procedure

■ Readme files with step-by-step instructions

■ IPSW-API-QNX package provides support for all Acromag IP and Carriers

■ PCISW-API-QNX package provides support for all Acromag PMC modules and PCI or cPCI boards

■ Targeted support for x86 series CPUs

Benefits
■ Source code provided to ensure maximum flexibility in implementing your driver

■ Verify operation of your Industry Pack modules and carriers with a demonstration program to ensure proper hardware operation before attaching your application

The QNX software libraries provide a simple API to quickly integrate Acromag's I/O boards with your application program.

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QNX                                                    _ □ ✕

    Demonstration Program example
    Pmc341 Library Demonstration

         1.   Exit this Program
         2.   Set Up Configuration Parameters
         3.   Read Status Command
         4.   Attach Exception Handler
         5.   Detach Exception Handler
         6.   Acquire Auto Zero Data
         7.   Acquire Calibration Data
         8.   Acquire Raw Input Data
         9.   Correct Data
        10.   Display Auto Zero Data
        11.   Display Calibration Data
        12.   Display Raw Input Data
        13.   Display Corrected Data
        14.   Display Corrected Data In Volts
        15.   Clear All Data Buffers

         Select:
```

Demonstration Program
This powerful program lets you fully exercise the libraries and your hardware before running the actual application. These diagnostics will save you hours troubleshooting and debugging your applications. You can set addresses, set up registers, read real-world inputs, or drive outputs. The demonstration program steps you through the exact functions that are called in your application.

Ordering Information
IPSW-API-QNX
  QNX software support package for Industry Pack products (supports all Acromag IP modules and PCI or CompactPCI IP carrier cards)

PCISW-API-QNX
  QNX software support package for PMC, PCI, and CompactPCI products (supports all Acromag PMC modules and PCI or cPCI boards except IP carriers)

User-Friendly Licensing
Acromag's QNX software libraries are provided with a full site license. This allows anyone at your location to use this software without any additional charges. Additionally, no run-time license is required either.

The QNX software libraries include support for the full family of boards or modules, not just certain models. For example, the IPSW-API-QNX package includes support for all Acromag Industry Pack Modules and PCI or CompactPCI carriers.

Software Support

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