

Features

- PC Adapter bus interface
- 2 megabytes per second
- Supports MAX IV and MAX 32 systems
- Supports QNX 4.2 32-bit protected mode OS
- The power of the IPC delivered to QNX
- High volume data throughput using DMP/DMA
- Supports multiple devices (data streams) simultaneously
- Uses standard IPC MAX IV / MAX 32 handler
- Provides complete solution hardware and system software

The MAX/QNX Interface provides a high-speed, bus-to-bus coupling of a MODCOMP MAX system with QNX, a real-time, UNIX-like operating system running in 32-bit protected mode on a PC-compatible 386 or larger CPU.

The 3120 interface supports any Classic or 9200 series CPU. Additional interfaces can expand support for up to three MODCOMP CPUs.

IPC

3120 MAX/QNX Interface

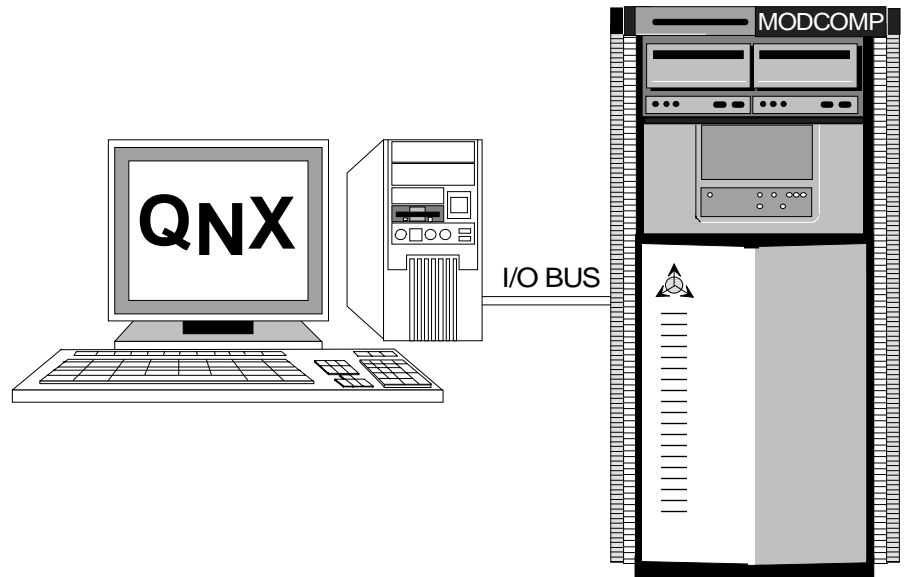


Figure 1: MAX/QNX System Interface

The MAX/QNX interface utilizes the PC Adapter and the same handler software used and proven in IPC systems to form the nucleus for this exciting product. It includes all of the software necessary to interface between the two operating systems plus the Model 3100 PC Adapter and bus cables, which connect the MODCOMP I/O bus to the PC's 16-bit ISA bus.

The MAX/QNX Interface installs easily, so you can immediately begin developing applications between the MODCOMP and QNX. All interface software is

included, so no system level programming is needed. The entire multidevice support used for the IPC is included to let multiple MAX and QNX applications interface concurrently.

The high volume design lets data flow at up to 2 megabytes per second. Up to 200 operations per second can be processed. Data is transferred directly between memory buffers using DMP and DMA, eliminating the CPU-robbing overhead of moving data in memory. MODCOMP applications can even employ data chaining for greater flexibility.

IPC MAX/QNX Interface

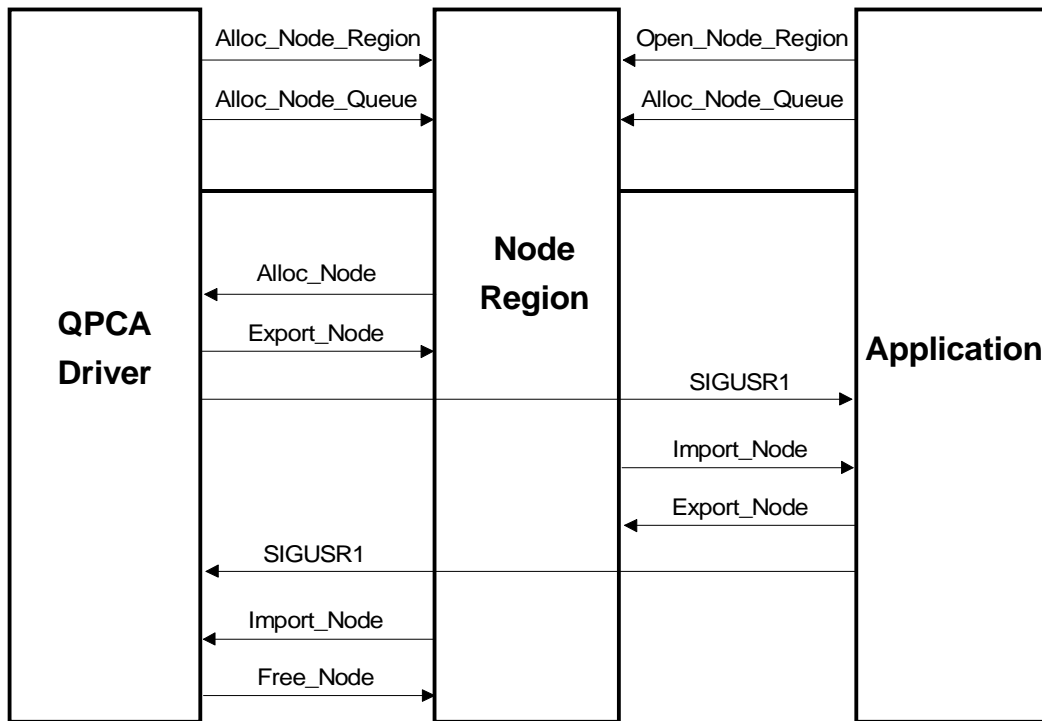


Figure 2: QPCA Application Programming Interface

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