



GO-HotSwap Version 7.02

CompactPCI Hot Swap Software Suite.

Data Sheet

Product Features:

- Enables Hot Swap of CompactPCI peripheral devices under operating systems that do not natively support Hot Swap
- Multi operating system support
- Cross operating system capabilities
- Configuration Manager: Enables Hot Swap with legacy PCI drivers
- Hot Swap driver development toolkit, including graphical hardware debugger
- Free, full-featured 30-days evaluation version

Product Benefits:

- Reduces high-availability systems' time to market
- Cross platform solution, allowing immediate porting of drivers to other supported operating systems
- A complete solution – includes the Hot Swap operating system extension with the market leading driver development tools (Jungo's WinDriver and KernelDriver tools)
- Supports any Compact PCI device, regardless of its Hot Swap hardware implementation

Supported Industry Standards:

Designed to comply with the following specifications:

- PICMG 2.0 R3.0 (CompactPCI Specification)
- PICMG 2.1 R2.0 (CompactPCI Hot Swap Specification)

Technical Specifications:

Hot Swap Engine

- Detects live insertion/extraction of CompactPCI peripheral devices by polling the bus periodically or hooking to the ENUM signal
- Determines whether detected devices are about to be removed by querying the Hot Swap Control and Status bits (INS & EXT)
- Queries required and available resources for the bus by accessing the PCI configuration registers of residing devices and bridges
- Allocates and de-allocates resources upon insertion and removal of peripheral devices (I/O, Memory, Prefetchable memory and Interrupts), as required by the device (optional)
- Enables re-enumerations according to available resources and user permissions (optional)
- Dispatches events to communicate with user-mode applications and kernel-mode drivers that subscribed to receive Hot Swap notifications

Configuration Manager

- Activates/stops the Hot Swap Engine
- Supports Hot Swap with legacy PCI device drivers by enabling dynamic loading and unloading of such legacy drivers
- Pre-configured according to user's definitions to run any application or script upon detection of a Hot Swap event

Driver Development Tool kit

- Hardware diagnostics and debugging
- Automatic code generation
- Hardware access API
- Driver performance and debugging

System Requirements:

Operating Systems Supported:

- Windows 2000/XP/Server 2003
- Solaris 8.0/9.0 (Sun SPARC 32 and 64-bit and Intel x86 32-bit)
- Linux 2.4/2.6

Supported Hardware Platforms:

- Hardware independent – supports any CompactPCI system:
 - Silicon level - Capable, Friendly or Ready
 - Board level - Basic or Full
 - Platform level – Hot Swap or High Availability

Hard drive space:

- 21 MB – 27.3 MB (depending on the OS)

Driver footprint:

- 116 KB – 321 KB (depending on the OS)

About Jungo Ltd.

Founded in 1998, Jungo Software Technologies Inc. is a privately held company with corporate offices in San Jose CA and an R&D center in Israel. Jungo's hardware access product line, featuring WinDriver, enables developers to quickly create drivers for custom devices that can run on a multitude of operating systems without modification. Jungo's high-availability product line, including GO-HotSwap, provides a complete solution for the CompactPCI high-availability market.