

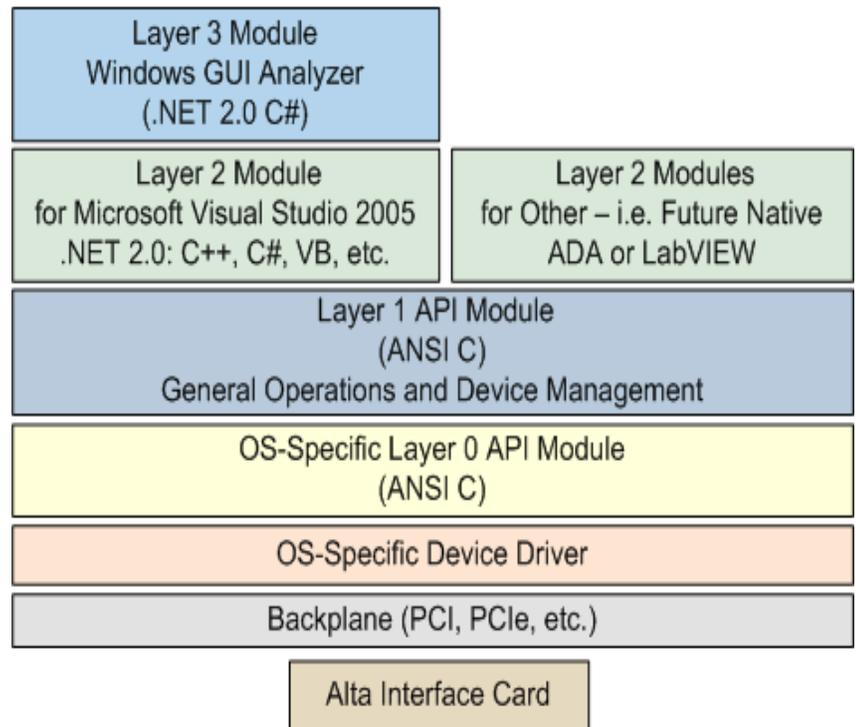
Alta's 1553 and ARINC products come standard with the most advanced Application Program Interface (API) library tools in the avionics industry. **AltaAPI**, provides the most modern software technologies for avionics data activity and system analysis. The API architecture is an extremely flexible design to provide quick porting to various operating systems, such as VxWorks 5.X/6.X/MILS (non RTP), Integrity, LynxOS RTOS, Linux 2.6 32/64, Solaris 10, NI LabVIEW™, RTX Shared/Windows and Windows **XP/2003/Vista/07**.

Key Features of **AltaAPI**

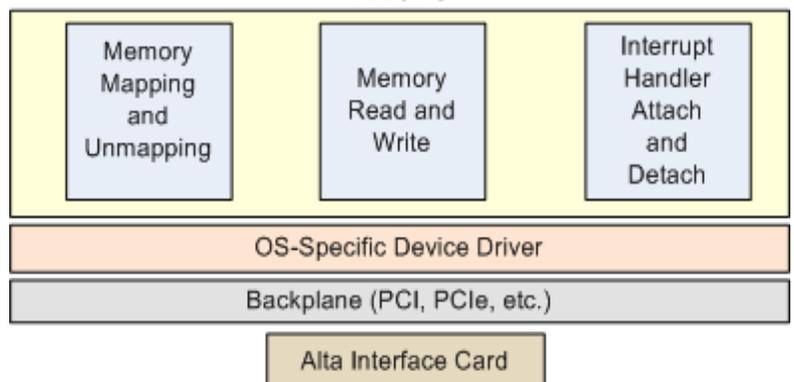
- Layered Design to Maximize a Flexible and Quick Integration
- Most Popular OS Environments Including Linux 2.6 32/64, Windows XP/2003/Vista/07 and Solaris.
- RTOS support for VxWorks, Integrity, Lynx OS, RTX Windows/Shared Mode.
- Windows Managed .NET 2.0 DLLs Provides Quick Integration with Visual Basic, .Net, C++, etc...
- Key ANSI C Layer 1 with source code provides easy integration and porting – over 80 example programs to jump start your application (regardless of OS).
- Same API Used for Multiple Protocols (1553 and ARINC).
- Easily port from other avionics vendors to AltaAPI – Porting Guides Provided.
- See **AltaAPI-LV™** for LabVIEW™ support.

Layer 0 (zero) of the API is where all OS dependencies reside. This layer is kept as simple as possible to make the API as portable as possible. This is an ANSI C layer and source code, when possible, is provided. In most cases the user never needs to interface to the Layer 0 files unless special porting is required.

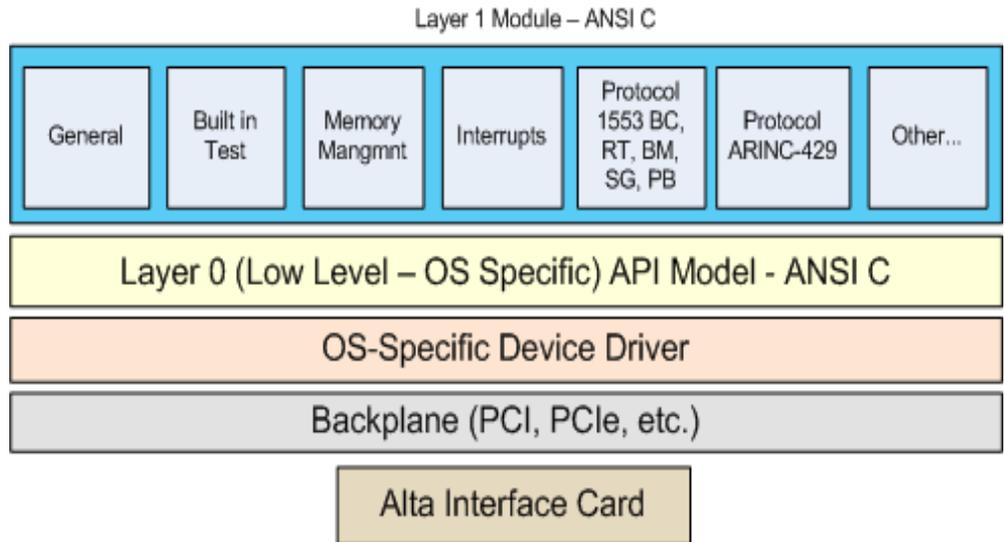
AltaAPI Architecture



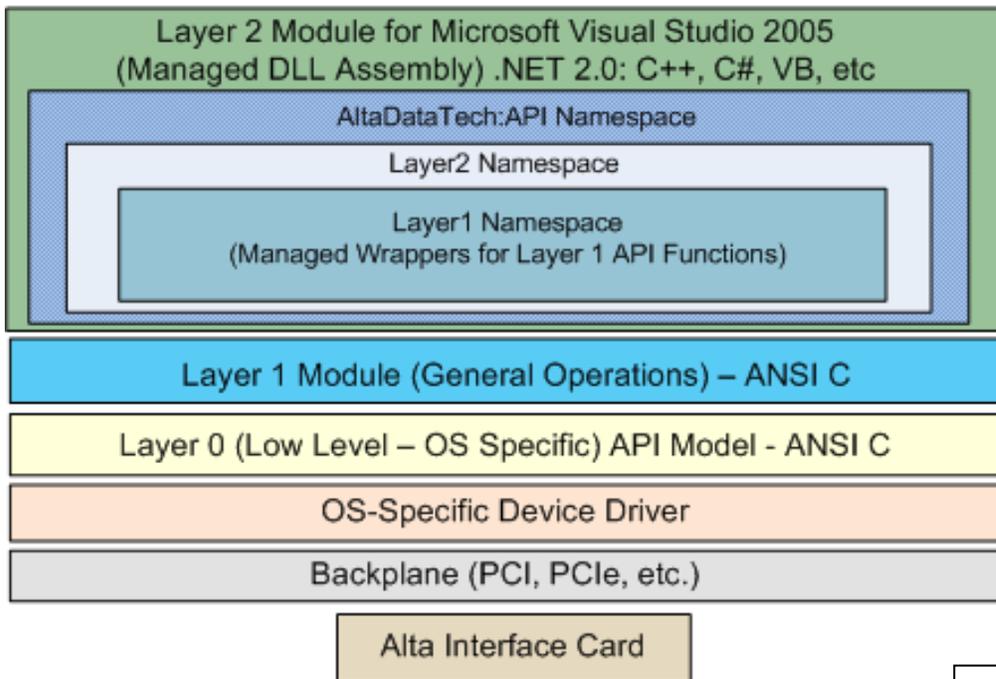
Layer 0 (Low Level – OS Specific) API Model ANSI C



Layer 1 (one) is where most applications start their program calls/interface. This layer has all the advanced library options for device management and functional setup and control. Source code and DLLs are provided for this layer. Example builds/makefiles and application programs are provided for all OSes



Layer 2 Model



Layer 2 (two) of the API provides the Windows .NET interface. .NET offer powerful object oriented advancements in application development. See **AltaAPI-LV™** for LabVIEW™ support. This layer provides the user an unprecedented choice of local and network controls. **AltaView™** and **AltaRTVal™** are developed with these same tools.

AltaView & AltaRTVal Reduce Integration/Test. Explore the possibilities with these advanced software programs.

- Next Generation in Analyzer and Validation Software
- Download Upgrades Via Alta Web – New Features are Added to Support Your Requirements
- XML Setup Files Allow External Configuration
- Windows XP/2003/Vista/07 (no NT) – 1GByte/System RAM

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