

SPECIFICATIONS

Quantity 2: 14-000 Altium Designer – Perpetual License or equal with a minimum specification as follows:

Electronics Design Software

The needed electronic software shall have a unified structure which integrates key elements of the design process into one application. This includes schematic capture; mixed-signal simulation; rules-driven PCB layout and routing; 3D mechanical integration and constraint checking, FPGA development, embedded software design, and library management. The user interface shall be intuitive relative to the current state-of-practice in CAD systems and Windows applications.

Requirements:

- Integrated design environment with SPICE simulation, schematics, layout, library management
 - Support forward and back annotation
 - Rules/constraint driven design
 - Unlimited printed circuit board layers
 - Design rule checks for schematics and layout
 - Layout auto-router
 - Cross-probing between layout and schematics
- Mechanical CAD integration
 - STEP file import/export
 - Display 3D CAD data for packaging evaluation
- Documentation management and generation
 - Schematics
 - Gerber
 - Assembly drawings
 - Bill of materials
 - IPC netlist generation
- Version control integration
 - Integration with (SVN) or concurrent versioning system (CVS)
- HDL integration for FPGA design
 - Simulation
 - Integration with FPGA vendor tools
- Floating license deployment in Windows desktop environment

If proposing or equal, the next three items shall be compatible to that software.

- 14-500-100-04-1 AD10 Altium Designer 10 Software Package or equal
- 14-004 Altium Subscription or equal
- 12-403-DT01 USB JTAG Adapter or equal