



ICEConnect300

Component name	ICEConnect300		
Category (IP/ Reusable)	IP	Component type (HW/Product)	S/W Product
Core	SEMI standards	Supporting OS	Windows XP,2003 Server
Applications / applicable products	Manufacturing		
Market/ industries applicable	semiconductor and PV manufacturing		
Product Description	Comprehensive, highly-configurable, fully SEMI Compliant 300mm host connectivity package targeted for fully automatic FABs. It complies with all 300mm SEMI standards E94,E40,E87,E90,E39 and E116 in addition to 200mm standards (E4, E5, E37 and E30).		
Technical specifications	<ul style="list-style-type: none"> • OS WinsowsXP,Windows2003 Server • Memory – 2GB RAM 		
Features /benefits	<ul style="list-style-type: none"> ▪ Comprehensive and robust solution for 300mm host connectivity ▪ Includes all 200mm and 300mm SEMI standards. <p>E94</p> <ul style="list-style-type: none"> ▪ Provides E94 Control Job support ▪ Handles E94 related SECS-II Messages ▪ Implements Control Job Object model ▪ Implements Control Job State model ▪ Implements Control Job Queue model ▪ Co-ordinates with E87 Carrier Management ▪ Supports services for Start,Pause,Resume,Cancel,Deselect,Stop,Abort and HOQ ▪ Defines and publishes E94 related Events,Data Variables, Status Variables and Equipment Constants ▪ Supports Serial and Parallel Execution of Control Jobs ▪ Supports Modifying Control Jobs ▪ Gives provisions for Control Job Set-up, Pre-Conditioning, Post-Conditioning <p>E40</p> <ul style="list-style-type: none"> ▪ Provides E40 Process Job support ▪ Handles E40 related SECS-II Messages ▪ Provides Single and Multi Process Job Execution ▪ Supports independent handling of Process Job state change management 		



	<ul style="list-style-type: none">▪ Enables Process Job Failure handling▪ Implements Process Job Object Model▪ Supports Job Parameter validation▪ Provides Processing resource conditioning▪ Supports Stop, Pause, Abort and Resume command handling▪ Supports Manual Process Start▪ Implements Process Job Queueing▪ Supports Process Tuning and Processing of Material Groups▪ Supports Multiple Concurrent Process Jobs and Process Job with No Material▪ Provides Event Notification on Process Job state changes▪ Supports Multiple and Duplicate Job creations ▪ Exhaustive SDK includes API specification, SECS-GEM manual template, Installation & User guide, test applications etc. ▪ Ease of integration by providing both C++ and C# interfaces ▪ Proven excellent service and support capabilities ▪ Support for FAB integration and acceptance ▪ One year free of cost product support comes along with development license ▪ Free host simulation software ICEHost comes along with development license. All 300mm host scenarios are pre-configured with the host simulator. ▪ Sample application for equipment simulator
Readiness	Ready