



ICEConnect200

Component name	ICEConnect200		
Category (IP/ Reusable)	IP	Component type (HW/Product)	S/W Product
Core	SEMI standards	Supporting OS	WindowsXp,2003 Server
Applications / applicable products	Manufacturing		
Market/ industries applicable	semiconductor and PV manufacturing		
Product Description	Software to implement an equipment – to – host communication link, which complies with the SEMI generic Equipment Model (GEM) standard and SEMI communication Interface Standards (HSMS, SECS – I and SECS – II). Meets SEMI E4, E5, E30 and E37 standards.		
Technical specifications	<ul style="list-style-type: none"> • OS WindowsXP,Windows2003 Server • Memory – 2GB RAM 		
Features /benefits	<ul style="list-style-type: none"> ▪ Complete solution for 200mm host connectivity ▪ Fully GEM Compliant. Verified with CCS Envoy test plans ▪ Modular design, highly scalable and easily customizable ▪ Supports both formatted and unformatted process program ▪ Deployed in FABs world wide ▪ Pluggable GEM screens for equipment status, operator control, process program transfer, terminal services and variable data ▪ Simple configuration for variables, alarms and events. Intuitive configuration tool (ICEConnect Configurator) minimizes configuration time. Also supports APIs for programmatic configuration ▪ Supports Multiple host connections ▪ In-proces and out of process deployment to suit client application requirements ▪ Available as a stand-alone package or as a pre-integrated option with ICE tool control software. ▪ E5 component can also be used separately without GEM(E30 		



	<p>component)</p> <ul style="list-style-type: none">▪ Diagnostic file logging with run-time configurable error levels for trouble shooting purposes▪ In-built SECS-II message logging in SML format▪ Support for GEM custom messages. Provision for even custom processing of GEM specific messages▪ Exhaustive SDK includes API specification, SECS-GEM manual, Installation & User guide, test applications (with source code) etc.▪ Supports both C++ and C# interfaces for client integration▪ Flexibility in design to add new SEMI standards that may evolve in the future.▪ The minimized dependencies between layers, so that replacing any one layer won't affect another layer.▪ GEM implementation supporting the following capabilities▪ Supports multiple concurrent trace data collections▪ Open framework enabling easy customization.▪ Each SEMI standard shall be implemented as a separate module.▪ Flexibility in design to add new SEMI standards that may evolve in the future.▪ The minimized dependencies between layers, so that replacing any one layer won't affect another layer.▪ Ready to integrate with E30 capabilities.▪ Pre-integrated with ICE200 Tool Control framework software.▪ Generic framework for easy implementation of custom commands and messages.▪ GEM implementation supporting the following capabilities
Readiness	Ready