

Adept GEM Specifications

Compatibility

Adept GEM software is compatible with AIM MotionWare and VisionWare version 3.1 or later.

Essential Elements

Adept GEM Software, version 3.2 and 4.0 include:

- Software
- License
- Documentation

Requirements

- AdeptGEM version 3.2 requires AIM MotionWare or VisionWare version 3.3 or later.
- AdeptGEM version 4.0 requires AIM MotionWare or VisionWare version 4.0 or later.

Levels of GEM/SECS Software

- Physical Transmission Level (SECS-I/HSMS)
- Message Content Level (SECS-II)
- Equipment Behavior Level (GEM)

Implemented Compliant Fundamental GEM Requirements

- State Models
- Equipment Processing States
- Host-Initiated S1, F13/F14 Scenario
- Event Notification
- On-Line Identification
- Error Messages
- Documentation
- Control (Operator Initiated)

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Additional GEM Capabilities

- Establish Communications
- Dynamic Event Report Configuration
- Variable Data Collection
- Trace Data Collection
- Status Data Collection
- Alarm Management
- Remote Control
- Equipment Constants
- Process Program Management
- Equipment Terminal Services Clock
- Control (Host-Initiated)
- Limits Monitoring

Non-Implemented Additional GEM Capabilities

- Material Movement
- Spooling

Relevant SEMI Standards

- SEMI E4 (SECS-I)
- SEMI E5 (SECS-II)
- SEMI E30 (GEM)
- SEMI E37 (HSMS)
- SEMI E37.1 (HSMS-SS)



Adept Technology, Inc. 3011 Triad Drive, Livermore, CA 94551

Tel: 925-245-3400 Fax: 925-960-0452 Email: info@adept.com

www.adept.com

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