

3DEXPERIENCE CLOUD PDM

PRODUCT COMPARISON MATRIX

CAPABILITIES	SOLIDWORKS			3DEXPERIENCE / ENOVIA
	PDM STANDARD	PDM PROFESSIONAL	MANAGE	
CAD CONNECTIONS AND INTEGRATIONS				
SOLIDWORKS Connector	✓	✓	✓	✓
Draftsight Connector	✓	✓	✓	✓
SOLIDWORKS Electrical Connector		✓	✓	*
Inventor Connector		✓	✓	✓
AutoCAD Connector		✓	✓	✓
Creo Parametric (Pro/E) Connector				✓
NX Connector				✓
CATIA V5 Connector				✓
Solid Edge Connector		✓	✓	✓
Altium Connector				✓
Cadence Connector				✓
File Converter		✓	✓	✓
Multi-CAD Assemblies				✓
NON-CAD VIEWING				
3D Previews	✓	✓	✓	✓
2D Previews	✓	✓	✓	✓
Multi-Document Preview		✓	✓	✓
Virtual Redlines		✓	✓	✓
Comparison		✓	✓	✓

* Only for the 3DEXPERIENCE package of SOLIDWORKS Electrical

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CAPABILITIES	SOLIDWORKS			3DEXPERIENCE / ENOVIA
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ACCESS TYPES				
CAD Editor	✓	✓	✓	✓
Contributor	✓	✓	✓	✓
Read-Only	✓	✓	✓	✓
FILE MANAGEMENT AND RELEASE				
File Versions	✓	✓	✓	
File Revisions	✓	✓	✓	✓
File Categories		✓	✓	✓
Multiple Workflows	Limited to 1	✓	✓	✓
Workflow States	Limited to 10	✓	✓	✓
Transition Actions		✓	✓	
Parallel Approvals		✓	✓	✓
ADDITIONAL CONFIGURATION AND CAPABILITIES				
Serial Part Numbers		✓	✓	✓
Intelligent Part Numbering			✓	✓
Classification Attributes			✓	✓
This capability allows you to assign properties such as Material, Mass, Surface Finish, etc. to libraries and classes. A user can also search a library by attributes. These attributes are hereditary and will be inherited by child classes.				
Configuration Management (Variant/Option)		✓	✓	✓
Define all product variants in a single configured product structure. Configuration Management allows users to retrieve parts from impacted variants in real-time through an “overloaded” structure (gBOM, 150% BOM, etc.) to rapidly converge on the optimum design.				
Configure product by choices. The buyer will select one among an array of variants: (example: Buyer may choose Black, White, or Gray within Color Variant); Also provide options for products. This is usually something the buyer will opt in or opt out of: (example: with grommet or without grommet)				

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ADDITIONAL CONFIGURATION AND CAPABILITIES (CONT.)				
CAD Engineering Bill of Materials This is the Bill of Material that reflects the items in the CAD data. Often called "Computed BOM". The CAD BOM in a table listing is what is represented in the CAD Model.		✓	✓	✓
Engineering Bill of Materials Manage the engineering definition of products from early definition to final validation in collaboration across disciplines and the value network.				✓
User Defined BOM References		✓	✓	✓
Manufacturing Bill of Materials A manufacturing BOM or "Named BOM" is a BOM which may be modified and/or restructured as compared to the Engineering BOM. For example, the user may want to include any consumables such as epoxy, which was not modeled in the CAD data, but necessary for manufacturing.				✓
User Tasks			✓	✓
Cloud Storage				✓
Web Client		✓	✓	✓
Report Generator		✓	✓	✓
Issue Management Use Issue Management to quantify, categorize, assign, and track problems which arise.			✓	✓
Project Management Build tasks, milestones, and roles for your project. Track risks, request or manage resources, manage budgets, timesheets, and more.			✓	✓
INTEGRATIONS				
Internal Notifications	✓	✓	✓	✓
Email Notifications		✓	✓	✓
Active Directory Login		✓	✓	✓
SSO Login Support				✓

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INTEGRATIONS (CONT.)				
Application Programming Interface (API)		✓	✓	✓
ITAR Compliant		✓	✓	**
Automated Data Import/Export		✓	✓	✓
DATABASE AND REPLICATION				
On-Premise Deployment	✓	✓	✓	✓
Hosted Cloud Deployment	✓	✓	✓	✓
SaaS Cloud Deployment				✓
File Replication		✓	✓	Global
Database Replication (Read Only)		***		

** Requires 3DEXPERIENCE Platform on-premise deployment

*** Requires MS SQL Server Enterprise