



# ETAP 2024 System Requirements

ETAP Design & Analysis Solutions				
<b>Operating System (64-bit Microsoft® Windows®)</b>	<ul style="list-style-type: none"> <li>• Microsoft® Windows® 11 (Professional)</li> <li>• Microsoft® Windows® 10 (Home Premium, Professional, Enterprise)</li> <li>• Microsoft® Server 2022 (Standard)</li> <li>• Microsoft® Server 2019 (Standard)</li> </ul>			
<b>PC Ports</b>	USB Type-A port for hard security key only			
<b>Display &amp; Graphics</b>	Video card with hardware support for Direct2D <b>Basic:</b> 21" monitor or better with 1920 x 1080 (True Color) <b>Recommended:</b> High Resolution & 4K Displays 27" dual monitors with resolutions 3840 x 2160 (True Color) or better			
<b>Network</b>	Ethernet port or WiFi with network access for network licensing & software download			
<b>Pointing Device</b>	MS-Mouse compliant			
<b>Disk Space</b>	<b>Installation Only:</b> 30 GB <b>Installation + Projects:</b> 100 GB (based on number of projects, project size, number of buses, backup retention options) <b>Recommended for 10,000 Bus or greater projects:</b> Solid State Disk (SSD): 200 MB/s or better read/write speed <b>Recommended for 20,000 Bus or greater projects:</b> NVMe m.2 (Nonvolatile Memory Express): 5GB/s or better read/write speed			
<b>Processor (CPU) &amp; Memory (RAM)</b>	<b>Project Size</b>	<b>CPU</b>	<b>Speed</b>	<b>Memory Size</b>
	100 Bus	Intel Core i5 or better	2.4 GHz or better	8 GB of RAM
	500 Bus	Intel Core i5 or better	3.0 GHz or better	8 GB of RAM
	1,000 Bus	Intel Core i7 or better	3.0 GHz or better	16 GB of RAM
	10,000 Bus +	Intel Core i9 or better	3.0 GHz or better	32 GB of RAM



<b>Software Prerequisites</b>	Microsoft® Edge or Google Chrome
<b>Third-party packages installed with ETAP</b>	<ul style="list-style-type: none"><li>• Microsoft .NET Framework v4.8</li><li>• Microsoft Visual C++ 2015</li><li>• Microsoft Visual C++ 2019</li><li>• Intel® Visual Fortran Redistributable: Intel® 64 Setup 2019.0.117</li><li>• Microsoft SQL Server 2019 Express LocalDB (x64)</li><li>• Microsoft ODBC Driver 17 for SQL Server</li><li>• Microsoft SQL Server Compact 4.0 SP1 x64</li><li>• SQLite ODBC Driver 0.9995</li><li>• MongoDB 64 bit 4.2.3</li><li>• Microsoft Access Database Engine 2016</li><li>• OpenSSL 1.1.1j</li><li>• SAP Crystal Reports runtime engine for .NET Framework CR13 SP26</li></ul>
<b>Other Third-Party Packages</b>	Python 3.8.4



## ETAP Operations, Automation & Management Solutions

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<b>Other Third-Party Packages</b>	Python 3.11.4