



Recommended Hardware and Software for Adroit/MAPS

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1. Recommended Hardware & Software

Recommended for: Adroit (30, 150, 750); MAPS (30, 150, 750); Adroit Ignite HMI; Adroit Lite; MAPS HMI. ~ No Reporting ~

Small	Hardware & Software	Agent Server	Operator / Client	Engineering Station	
	Operating System	Windows 10; 11	Windows 10; 11	Windows 10; 11	
	Database	-	-	-	
	CPU****	Desktop: Intel I7 (or equivalent)	Desktop: Intel I7 (or equivalent)	Desktop: Intel I7 (or equivalent)	
	RAM	16GB	8GB	8GB	
	HDD*	6GB Free (excluding datalog requirements)	80GB Free	80GB Free	
	HDD Speed	7200rpm (enterprise grade) **	7200rpm (enterprise grade) **	7200rpm (enterprise grade) **	
	Display Resolution	Full HD (1920 x 1080)	Full HD (1920 x 1080)	Full HD (1920 x 1080)	
	Network	1 GB/s Full duplex ***	1 GB/s Full duplex ***	1 GB/s Full duplex ***	

Recommended for: Adroit (up to 2 500); MAPS (up to 2 500). ~ SQL & Reporting supported ~

Medium	Hardware & Software	Agent Server	Operator / Client	Engineering Station	SQL Server
	Operating System	Windows Server 2016; 2019; 2022	Windows 10; 11	Windows 10; 11	Windows Server 2016; 2019; 2022
	Database	-	-	-	Microsoft SQL Server 2017; 2019; 2022
	CPU****	Server: Intel Xeon (or equivalent)	Desktop: Intel I7 (or equivalent)	Desktop: Intel I7 (or equivalent)	Server: Intel Xeon (or equivalent)
	RAM	16GB	8GB	8GB	16GB
	HDD*	6GB Free (excluding datalog requirements)	80GB Free	80GB Free	6GB Free (excluding database requirements)
	HDD Speed	7200rpm (enterprise grade) **	7200rpm	7200rpm	7200rpm (enterprise grade) **
	Display Resolution	Full HD (1920 x 1080)	Full HD (1920 x 1080)	Full HD (1920 x 1080)	Full HD (1920 x 1080)
	Network	1 GB/s Full duplex ***	1 GB/s Full duplex ***	1 GB/s Full duplex ***	1 GB/s Full duplex ***

Recommended for: Adroit > 2 500; MAPS >2 500; Clusters; Hot Standby Systems; Distributed Multi-Server systems. ~ SQL & Reporting supported ~

Large	Hardware & Software	Agent Server	Operator / Client	Engineering Station	SQL Server
	Operating System	Windows Server 2016; 2019; 2022	Windows 10; 11	Windows 10; 11	Windows Server 2016; 2019; 2022
	Database	-	-	-	Microsoft SQL Server 2017; 2019; 2022
	CPU****	Server: Intel Xeon (or equivalent)	Desktop: Intel I7 (or equivalent)	Desktop: Intel I7 (or equivalent)	Server: Intel Xeon (or equivalent)
	RAM	16GB	8GB	8GB	32GB
	HDD*	12GB Free (excluding datalog requirements)	80GB Free	80GB Free	12GB Free (excluding database requirements)
	HDD Speed	7200rpm (enterprise grade) **	7200rpm	7200rpm	7200rpm (enterprise grade) **
	Display Resolution	Full HD (1920 x 1080)	Full HD (1920 x 1080)	Full HD (1920 x 1080)	Full HD (1920 x 1080)
	Network	1 GB/s Full duplex ***	1 GB/s Full duplex ***	1 GB/s Full duplex ***	1 GB/s Full duplex ***

2. Web & Mobility : Supported Software

Software	Performance Anywhere	Adroit Air	Secure Mobile Gateway
Operating System	Android 11 or higher iOS 13.6 or iPadOS 13.6 or higher Windows Mobile (8,8.1,10) Windows OS 10 or higher (new Microsoft Edge & Google Chrome Browsers only)	Android 11 or higher iOS 13.6 or iPadOS 13.6 or higher	Browser support: Chrome, Firefox, Safari, Opera, Edge; OS Support: Android, iOS, Linux, Windows On-Cloud: Operator client install required (minimum hardware requirements) On-Premise: Windows Server 2016; 2019; 2022; RDS Cals availability required ***** 8GB RAM; If running on VM, VT-X support required.

3. Notes

- * Hard disk speed is of great importance when it comes to disk intensive operations like storing data. This applies to all forms whether logging to a database or to proprietary datalog files. Hard disks with low rotational speeds (5400rpm) are not recommended in general as their read and write performance typically hinders overall performance of the system especially when it comes to historical data storage and retrieval
- ** It is recommended that enterprise grade drives be used. Enterprise grade disk drives are characterised by greater reliability in that rated mean time between failures (MTBF) tends to be several orders higher than standard desktop grade drives. Caution must be exercised when considering drives with faster rotational speeds as well as solid state drives since reliability varies greatly depending on model and manufacturer
- *** Network speed represents only part of network performance, and it is important to consider network latency (turnaround time) when understanding overall performance. A "fast" network with high latencies will result in an overall poor performance when considering more "chatty" transactional network traffic such as that between Adroit Client and Server Applications.
- **** Similarly, network stability also comes into play. It is vital that the network supporting any SCADA system be stable.
- ***** The minimum CPU specification indicated are determined based on the median size and configuration for projects in general. However, it is possible to configure and execute projects on less performant hardware, based on the experience and testing of the project execution. CPUs including the Intel Atom C series and Intel Atom P Series could be utilized, especially for HMI projects. A minimum of two cores are required.
- ***** The **On-Premise** Secure Mobile Gateway requires the end-user or integrator to ensure that the necessary cyber security measures are in place if cloud based access will be provided.
- ***** For the **On-Cloud** version, the Cyber Security measures are part of the Adroit Data Center services.
- ***** For further information please consult with your Sales Representative.
- General: **IMPORTANT:** Please consult with your sales representative to verify the specific details required for your project and/or solution.