

Comparison of OPC DA to Web Data Display Technologies

	ASP	Polling AJAX	Streaming AJAX	Java
Web browser support	Desktop: Yes Mobile: Yes.	Desktop: Yes Mobile: Yes.	Desktop: Yes Mobile: Yes.	Desktop: Yes Mobile: No.
Plug-in / Active X required	No.	No.	No.	Yes. Java plug-in required.
Update speeds	No updates. - Manual refresh required.	Fast updates.	Very fast updates.	Very fast updates.
System resource requirements CPU and memory	Very low.	High compared to Streaming AJAX and Java.	Low compared to Polling AJAX, similar to Java.	Low compared to Polling AJAX, similar to Streaming AJAX.
Bandwidth requirements Will depend on point count and update rate	Very low.	Relatively high.	Moderate to low.	Moderate to low.
Security Password / SSL protection possible	Yes.	Yes.	Yes.	Yes.
Firewall friendly	Yes.	Yes.	Yes.	No. Requires firewall configuration.
Programming requirements	Uses scripting language.	Uses JavaScript.	Uses JavaScript.	Uses simple HTML. Requires knowledge of Java to build custom applets.
Types of Application Common uses	Good for displaying static or slow moving data. Used for shift reports and statistics.	Good for displaying fast moving data and alarm conditions. Used in web monitoring and trouble shooting applications.	Excellent for displaying fast moving data. Used in remote monitoring and diagnostics systems.	Best choice for very high speed and large number of users. Used in stock trading and process control systems for monitoring and HMI displays.

To learn more about OPC to Web technologies visit www.softwaretoolbox.com

