



AVOCO
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FEATURES AND BENEFITS OF SECURE2SIGNXL VERSION 1: OVERVIEW

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Feature	Benefit
Security of Signing Device	Important for Compliance with e-Sign, Eu Signature Directive, <i>etc.</i>
Does not use ActiveX controls, macros or Visual Basic code.	The ability to sign without introducing active content: <ul style="list-style-type: none"> ✓ Eliminates the possibility of active content being maliciously exploited ✓ Prevents the problem of firewalls filtering out documents with active content. ✓ Avoids conflicts with using documents with active content in secure environments. ✓ Ensures compatibility with Microsoft Office 2007 default native file formats (.xlsx) that specifically exclude any active elements (ActiveX, scripts or macros).
Uses techniques to prevent spoofing of the windows that display signature details.	This prevents malicious programs from altering the display of signatures e.g. displaying an invalid signature as valid.
Compliance Adherence	Required to ensure legal effect of signatures and non-repudiation
Support for OCSP validation	Real-time checking of certificate to establish validity of certificate at the time of signing
Check validity of full certificate chain	Option to check the status of all certificates in the chain before allowing signing
Only sign if certificate status OK	Signatures not allowed unless certificate fully valid
Full content signing	Signature applies to all content in worksheet/workbook so that even minor changes are spotted and recorded in the signature details of the individual
Signing Features	Important to allow signatures to fit in with spreadsheet/form processes, <i>etc.</i>
Sign cell ranges	Individuals can be linked to range of cells within a Excel spreadsheet or form and so the signature process can be incorporated into a business workflow
Link cell range signatures to individuals	Signature fields can be set so that a range of cells are linked to the field and in addition the field can also be set so that only a specified user can sign the field
Sign entire workbook	Sign the entire workbook can be used as a method of finalising an Excel spreadsheet or form – the final signature can be set so it can only sign the entire workbook (and not an individual worksheet) so that this person has agreed to the entire workbook content – useful in workflow situation where, for example, a financial controller needs to sign off a set of accounts.
Cell specified cell ranges	Cell range signing allows greater signature control over a specified cell range so that

	changes made within the cell range are reflected in that signature only
Countersign	Allows a user to countersign other persons signatures in a spreadsheet – useful in situations that demand a final sign off as part of the workflow process
Time stamping	Time stamp applied using a certified time source so that no spoofing of time possible
Certificate Support	
Supports use of any X509 certificate	Any x509 certificate handled through CAPI can be used to identify the signer
Supports use of smart cards and e-tokens holding certificates	Certificates held on a smart card or similar are more secure than those held on a desktop –this adds to the legal weight of the signature
Support for two-factor authentication	Signature linked to use of PIN with certificate so that the signature can only be made if the correct PIN is used
Third Party Control of Signing Device	
COM based API available	Useful for online signing portals, <i>etc.</i> Can be integrated into portals such as Share Point, <i>etc.</i> to allow central control of signing event – important to achieve zero end user footprint and to allow creation of seamless central signing portals
Other Features	
Visible signatures	Allows the application of a visible signature in the spreadsheet
Include image in visible signature	Allows user to include image as part of the visible signature, e.g. digital version of wet signature, photo, company logo, <i>etc.</i>
Use image to see signature attributes	Double click on visible signature to see signature validation details
Non-visible signatures	Can apply non-visible signatures – details of the signature can be seen using the signature details audit function
Audit of signatures on document	Full list of signatures showing validation status, content status (e.g. content unchanged, changed, <i>etc.</i>)
Create copy of original worksheet	A copy of the original worksheet can be taken at the time of signing – useful for later record comparison
Restrictions on signing of documents	Allows you to specify: <ul style="list-style-type: none"> <input checked="" type="checkbox"/> The type of certificate that can be used to sign the document (i.e. OSCP only) <input checked="" type="checkbox"/> Specify only certificates from certain issuers can be used to sign with <input checked="" type="checkbox"/> Limit signing to signature fields <input checked="" type="checkbox"/> Only sign if certificate is fully validated
Supports for Microsoft Office Excel XP/2003/2007	Also supports Word forms as well as documents Easy to use add-in in Word
Small size of setup program	Less than 1.5MB download size
Fast install	Less than 20 seconds to install (on average)