COMPARISON SIGNOTEC SIGNATURE PADS (without any claim to correctness, accuracy and completeness!)

The following list is intended exclusively to serve as a research tool and makes no claims to being accurate, correct, complete or current. Any liability is therefore excluded!

	Sigma LITE	Sigma BL/non BL	Omega	Zeta	Gamma	Delta Signature Pad	Delta Pen-Display
Image							
Display type	n/a	Monochrome LCD	Full-colour TFT LCD	Monochrome LCD	Full-colour TFT LCD	Full-colour TFT LCD	Full-colour TFT LCD
Display size	4"	4"	5"	4,5"	5"	10.1"	10.1"
Backlit	✗	with or without backlit	✓	with or without backlit	✓	✓	✓
Colour	✗	✗	✓	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.
Surface technology	Robust Polycarbonate surface coating.	Robust signing surface with ITO conductive coating and exclusive dual-layer membrane.	Robust signing surface with ITO conductive coating and exclusive dual-layer membrane.	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.	Hardened glass with native scratch resistance. It is up to three times more scratch resistant than other glass compositions.
Expected lifetime	2 million signatures	1 million signatures	1 million signatures	30 million signatures	30 million signatures	30 million signatures	30 million signatures
Number of colours	n/a	16 brightness levels b/w	65,536 (High Color)	16 brightness levels b/w	16,8 Mill.	16, 8 Mill.	16, 8 Mill.
LCD resolution	n/a	320 x 160 pixels	640 x 480 pixels	320 x 200 pixels	800 x 480 pixels	1280 x 800 pixels	1280 x 800 pixels
Scrolling	✗	✗	✓	✗	✓	✓	Monitor Extension
Authentication capability	✓	✓	✓	✓	✓	✓	✗
Unlimited softkeys	✓	✓	✓	✓	✓	✓	Monitor Extension
Design							
Manufacturing	Germany	Germany	Germany	Germany	Germany	Germany	Germany
Software development/support							
SENSOR							
Sensor technology	Resistive Touch Panel	Resistive Touch Panel	Resistive Touch Panel	ERT (Elekctromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	ERT (Elekctromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	ERT (Elekctromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	ERT (Elekctromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.
Active signing area	91 x 45 mm	91 x 45 mm	100 x 75 mm	96 x 60 mm	108 x 65 mm	217 x 136 mm	217 x 136 mm
Pressure sensor unit	1024	1024	1024	1024	1024	1024	2048
Pen type	Tethered passiv stylus with changeable tip	Tethered passiv stylus with changeable tip	Tethered passiv stylus with changeable tip	Tethered active stylus with changeable tip	Tethered active stylus with changeable tip	Tethered active stylus with changeable tip	Tethered active stylus with changeable tip
Battery free pen	✓	✓	✓	✓	✓	✓	✓
Internal sampling rate	6000 pps	6000 pps	6000 pps	-	-	-	-
Coordinate accuracy	+/- 1,5 % in x, y and z	+/- 1,5 % in x, y and z	+/- 1,5 % in x, y and z	+/- 0,4 mm (center)	+/- 0,4 mm (center)	+/- 0,4 mm (center)	+/- 0,4 mm (center)
Sensor resolution	1121 x 2243 ppi	1121 x 2243 ppi	1040 x 1387 ppi	2487 x 2499 ppi	2400 x 2909 ppi	5100 x 5100 ppi	5100 x 5100 ppi
Detectable height	-	-	-	3 - 15 mm	3 - 15 mm	3 - 15 mm	3 - 15 mm
Signature sampling report rate	500 pps	500 pps	500 pps	500 pps	500 pps	500 pps	280 pps
ELECTRONICS / DIGITISATION							
Communication/connectivity	Secure HID-USB	Secure HID-USB/Optional hardware FTDI VCOM	Secure HID-USB/Optional hardware FTDI VCOM	Secure HID-USB / High-Speed WinUSB/ Optinal hardware FTDI VCOM	Secure HID-USB / High-Speed WinUSB/ Optional hardware FTDI VCOM	Secure HID-USB / High-Speed WinUSB/ Optinal Ethernet and Optional hardware FTDI VCOM	Secure HID and DisplayLink®-Technology
HID-USB (64KB/sec)	✓	✓	✓	✓	✓	✓	✓
USB Full Speed (12 MB/sec)	-	-	-	✓	✓	✓	✓
USB High Speed (460 MB/sec)	-	-	-	✓	✓	✓	✓
RS232 via USB (virtual com port)	✓	✓	✓	✓	✓	✓	✗
RS232 VCOM and USB	RS232 or USB	RS232 or USB	RS232 or USB	RS232 or USB	Switchable via API	Switchable via API	✗
Near Field Communication (NFC)	✗	✗	Yes, optional	✗	✗	✗	✗
Advanced Security: Biometric encryption inside the pad	✓	✓	✓	✓	✓	✓	✗
Advanced Security: LCD content signing	✓	✓	✓	✓	✓	✓	✗
Advanced Security: PDF-Signing inside the pad	✓	✓	✓	✓	✓	✓	✗
Create unique cert inside pad	✓	✓	✓	✓	✓	✓	✗
Store customer specific Cert inside pad	✓	✓	✓	✓	✓	✓	✗
Store customer public key inside pad	✓	✓	✓	✓	✓	✓	✗
Internal unique serial number	✓	✓	✓	✓	✓	✓	✓
Status display	2 colored and freely programmable LEDs	2 colored and freely programmable LEDs	2 colored and freely programmable LEDs	2 colored and freely programmable LEDs	2 colored and freely programmable LEDs	2 colored and freely programmable LEDs	Status LED
Software	Enhanced powerful API (SDK) included free of charge	Enhanced powerful API (SDK) included free of charge	Enhanced powerful API (SDK) included free of charge	Enhanced powerful API (SDK) included free of charge	Enhanced powerful API (SDK) included free of charge	Enhanced powerful API (SDK) included free of charge	Tablet-PC API, Low Level SDK or Mouse input
Memory	✗	✗	Internal memory for 10 pictures which can be used for static content (fast switching between different pages) and slide shows.	✗	Internal memory for 10 pictures which can be used for static content (fast switching between different pages) and slide shows.	Internal memory for 20 pictures which can be used for static content (fast switching between different pages) and slide shows.	✗
Real signature device or monitor extension	Real signature device	Real signature device	Real signature device	Real signature device	Real signature device	Real signature device	DisplayLink Monitor Extension
Power supply	USB	USB	USB	USB	USB	USB Y-cable	USB Y-Cable
OPERATING AND STORAGE CONDITIONS							
Surface liquid resistance	✓	✓	✓	✓	✓	✓	✓
Operational temperatures	-10ºC to +60ºC	-10ºC to +60ºC	-10ºC to +45ºC	-10ºC to +45ºC	-10ºC to +45ºC	-10ºC to +45ºC	-10ºC to +45ºC
Storage temperature	-25ºC to 70ºC	-25ºC to 70ºC	-25ºC to 70ºC	-25ºC to 70ºC	-25ºC to 70ºC	-25ºC to 70ºC	-25ºC to 70ºC
Humidity	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing
MISCELLANEOUS							
Operating systems	Windows 7 (or newer), Windows Server 2008 (or newer), 32- and 64-Bit, Terminal Server (RDP, Citrix), Linux	Windows 7 (or newer), Windows Server 2008 (or newer), 32- and 64-Bit, Terminal Server (RDP, Citrix), Linux	Windows 7 (or newer), Windows Server 2008 (or newer), 32- and 64-Bit, Terminal Server (RDP, Citrix), Linux	Windows 7 (or newer), Windows Server 2008 (or newer), 32- and 64-Bit, Terminal Server (RDP, Citrix), Linux	Windows 7 (or newer), Windows Server 2008 (or newer), 32- and 64-Bit, Terminal Server (RDP, Citrix), Linux	Windows 7 (or newer), Windows Server 2008 (or newer), 32- and 64-Bit, Terminal Server (RDP, Citrix), Linux	Windows 7 (or newer), Windows Server 2008 (or newer), 32- and 64-Bit, Terminal Server (RDP, Citrix), Linux
Development environments	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (websocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (websocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (websocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (websocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (websocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (websocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (websocket)
Browser support	Chrome, Opera, Firefox, MS IE, MS Edge	Chrome, Opera, Firefox, MS IE, MS Edge	Chrome, Opera, Firefox, MS IE, MS Edge	Chrome, Opera, Firefox, MS IE, MS Edge	Chrome, Opera, Firefox, MS IE, MS Edge	Chrome, Opera, Firefox, MS IE, MS Edge	Chrome, Opera, Firefox, MS IE, MS Edge
Downloadable software	https://en.signotec.com/download/	https://en.signotec.com/download/	https://en.signotec.com/download/	https://en.signotec.com/download/	https://en.signotec.com/download/	https://en.signotec.com/download/	https://en.signotec.com/download/
Customization	Yes, min. 50 units	Yes, min. 50 units	Yes, min. 50 units	Yes, min. 50 units	Yes, min. 50 units	Yes, min. 50 units	Yes, min. 50 units
Security/encryption	AES-Encryption, RSA-signing. Signatures biometrics RSA-Encryption inside the pad. Secure mode which doesn't decrypt signature data at host.	AES-Encryption, RSA-signing. Signatures biometrics RSA-Encryption inside the pad. Secure mode which doesn't decrypt signature data at host.	AES-Encryption, RSA-signing. Signatures biometrics RSA-Encryption inside the pad. Secure mode which doesn't decrypt signature data at host.	AES-Encryption, RSA-signing. Signatures biometrics RSA-Encryption inside the pad. Secure mode which doesn't decrypt signature data at host.	AES-Encryption, RSA-signing. Signatures biometrics RSA-Encryption inside the pad. Secure mode which doesn't decrypt signature data at host.	AES-Encryption, RSA-signing. Signatures biometrics RSA-Encryption inside the pad. Secure mode which doesn't decrypt signature data at host.	AES-Encryption, RSA-signing. Signatures biometrics RSA-Encryption inside the pad. Secure mode which doesn't decrypt signature data at host.
Terminal server	✓	✓	✓	✓	✓	✓	✓
Data interface	USB	USB	USB	USB	USB	USB and Ethernet	USB
Data cable length	2 or 5 meter fixed cable	2 or 5 meter fixed cable	2 or 5 meter fixed cable	2.7 meter detachable	2.7 meter detachable	2.7 meter detachable	2.7 meter detachable
Input voltage	5 V powered from USB	5 V powered from USB	5 V powered from USB	5 V powered from USB	5 V powered from USB	5 V powered from USB	5 V powered from USB
RoHS directive compliant	✓	✓	✓	✓	✓	✓	✓
Touchscreen protectors	-	Optional	Optional	-	-	-	-
Warranty	2 years	2 years	2 years	2 years	2 years	2 years	2 years
TOOLS							
Signature Imager Software for free	https://en.signotec.com/download/tools/signopad-tools/	https://en.signotec.com/download/tools/signopad-tools/	https://en.signotec.com/download/tools/signopad-tools/	https://en.signotec.com/download/tools/signopad-tools/	https://en.signotec.com/download/tools/signopad-tools/	https://en.signotec.com/download/tools/signopad-tools/	https://en.signotec.com/download/tools/signopad-tools/
signoIntegrator/2							
signoImager/2	Included	Included	Included	Included	Included	Included	Included
MS-Office Add-In							
RSA-Manager							
Free updates/maintenance for tools and SDK	✓	✓	✓	✓	✓	✓	✓
DIMENSIONS							
Product dimensions (T x H x W)	10 x 160 x 120 mm	10 x 160 x 120 mm	15 x 180 x 191 mm	12 x 177 x 145 mm	12 x 177 x 145 mm	13-23 x 205 x 280 mm	13-23 x 205 x 280 mm
Weight	180 gr.	200 gr.	350 gr.	185 gr	230 gr.	620 gr.	600 gr.