

**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
<b>Image</b>							
<b>Display type</b>	n/a	Monochrome LCD	Full-colour TFT LCD	Monochrome LCD	Full-colour TFT LCD	Full-colour TFT LCD	Full-colour TFT LCD
<b>Display size</b>	4"	4"	5"	4,5"	5"	10.1"	10.1"
<b>Backlit</b>	x	with or without backlit	✓	with or without backlit	✓	✓	✓
<b>Colour</b>	x	x	✓	x	✓	✓	✓
<b>Surface technology</b>	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.
<b>Expected lifetime</b>	2 million signatures	1 million signatures	1 million signatures	30 million signatures	30 million signatures	30 million signatures	30 million signatures
<b>Number of colours</b>	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.
<b>LCD resolution</b>	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
<b>Scrolling</b>	x	x	✓	x	✓	✓	✓
<b>Authentication capability</b>	✓	✓	✓	✓	✓	✓	x
<b>Unlimited softkeys</b>	✓	✓	✓	✓	✓	✓	Monitor Extension
<b>Design</b>	Germany	Germany	Germany	Germany	Germany	Germany	Germany
<b>Manufacturing</b>							
<b>Software development/support</b>							
<b>SENSOR</b>							
<b>Sensor technology</b>	Resistive Touch Panel	Resistive Touch Panel	Resistive Touch Panel	ERT (Elektromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	ERT (Elektromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	ERT (Elektromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	ERT (Elektromagnetic Resonance Technology) Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.
<b>Active signing area</b>	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
<b>Pressure sensor unit</b>	1024	1024	1024	1024	1024	2048	2048
<b>Pen type</b>	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
<b>Battery free pen</b>	✓	✓	✓	✓	✓	✓	✓
<b>Internal sampling rate</b>	6000 pps	6000 pps	6000 pps	-	-	-	-
<b>Coordinate accuracy</b>	+/- 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)			
<b>Sensor resolution</b>	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
<b>Detectable height</b>	-	-	-	3 - 15 mm			
<b>Signature sampling report rate</b>	500 pps	500 pps	500 pps	500 pps	500 pps	500 pps	280 pps
<b>ELECTRONICS / DIGITISATION</b>							
<b>Communication/connectivity</b>	Secure HID-USB	Secure HID-USB/Optional hardware FTDI VCOM	Secure HID-USB/Optional hardware FTDI VCOM	Secure HID-USB / High-Speed WinUSB/ Optional hardware FTDI VCOM	Secure HID-USB / High-Speed WinUSB/ Optional hardware FTDI VCOM	Secure HID-USB / High-Speed WinUSB/ Optional Ethernet and Optional hardware FTDI VCOM	Secure HID and DisplayLink®-Technology
<b>HID-USB (64KB/sec)</b>	✓	✓	✓	✓	✓	✓	✓
<b>USB Full Speed (12 MB/sec)</b>	-	-	-	✓	✓	✓	✓
<b>USB High Speed (460 MB/sec)</b>	-	-	-	✓	✓	✓	✓
<b>RS232 via USB (virtual com port)</b>	✓	✓	✓	✓	✓	✓	x
<b>RS232 VCOM and USB</b>	RS232 or USB	RS232 or USB	RS232 or USB	RS232 or USB	Switchable via API	Switchable via API	x
<b>Near Field Communication (NFC)</b>	x	x	Yes, optional	x	x	x	x
<b>Advanced Security: Biometric encryption inside the pad</b>	✓	✓	✓	✓	✓	✓	x
<b>Advanced Security: LCD content signing</b>	✓	✓	✓	✓	✓	✓	x
<b>Advanced Security: PDF-Signing inside the pad</b>	✓	✓	✓	✓	✓	✓	x
<b>Create unique cert inside pad</b>	✓	✓	✓	✓	✓	✓	x
<b>Store customer specific Cert inside pad</b>	✓	✓	✓	✓	✓	✓	x
<b>Store customer public key inside pad</b>	✓	✓	✓	✓	✓	✓	x
<b>Internal unique serial number</b>	✓	✓	✓	✓	✓	✓	✓
<b>Status display</b>	2 colored and freely programmable LEDs	2 colored and freely programmable LEDs	2 colored and freely programmable LEDs	Status LED			
<b>Software</b>	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
<b>Memory</b>	x	x	Internal memory for 10 pictures which can be used for static content (fast switching between different pages) and slide shows.	x	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.	x
<b>Real signature device or monitor extension</b>	Real signature device	Real signature device	Real signature device	Real signature device	Real signature device	Real signature device	DisplayLink Monitor Extension
<b>Power supply</b>	USB	USB	USB	USB	USB	USB Y-cable	USB Y-Cable
<b>OPERATING AND STORAGE CONDITIONS</b>							
<b>Surface liquid resistance</b>	✓	✓	✓	✓	✓	✓	✓
<b>Operational temperatures</b>	-10°C to +60°C	-10°C to +60°C	-10°C to +45°C	-10°C to +45°C	-10°C to +45°C	-10°C to +45°C	-10°C to +45°C
<b>Storage temperature</b>	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C
<b>Humidity</b>	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing
<b>MISCELLANEOUS</b>							
<b>Operating systems</b>	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
<b>Development environments</b>	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)
<b>Browser support</b>	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			
<b>Downloadable software</b>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>
<b>Customization</b>	Yes, min. 50 units	Yes, min. 50 units	Yes, min. 50 units	Yes, min. 50 units			
<b>Security/encryption</b>	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.
<b>Terminal server</b>	✓	✓	✓	✓	✓	✓	✓
<b>Data interface</b>	USB	USB	USB	USB	USB	USB and Ethernet	USB
<b>Data cable length</b>	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
<b>Input voltage</b>	5 V powered from USB	5 V powered from USB	5 V powered from USB	5 V powered from USB			
<b>RoHS directive compliant</b>	✓	✓	✓	✓	✓	✓	✓
<b>Touchscreen protectors</b>	-	Optional	Optional	-	-	-	-
<b>Warranty</b>	2 years	2 years	2 years	2 years	2 years	2 years	2 years
<b>TOOLS</b>							
<b>Signature Imager Software for free</b>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>	<a href="https://en.signotec.com/download/tools/signopad-tools/">https://en.signotec.com/download/tools/signopad-tools/</a>
<b>signoIntegrator/2</b>	Included	Included	Included	Included	Included	Included	Included
<b>signoImager/2</b>							
<b>MS-Office Add-In</b>							
<b>RSA-Manager</b>							
<b>Free updates/maintenance for tools and SDK</b>	✓	✓	✓	✓	✓	✓	✓
<b>DIMENSIONS</b>							
<b>Product dimensions (T x H x W)</b>	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
<b>Weight</b>	180 gr.	200 gr.	350 gr.	185 gr.	230 gr.	620 gr.	600 gr.
<b>List price with tools and SDK included</b>	115,00 €	169,00 €	269,00 €	189,00 €	269,00 €	449,00 €	399,00 €