

COMPARISON OF SIGNOTEC SIGNATURE PADS										
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	Omega	Zeta	Gamma	Delta Signature Pad	Delta Pen-Display	Ares Pen-Display	Kronos Pen-Display	Epsilon Pen-Display
Image										
Model type	Real signature device	Real signature device	Real signature device	Real signature device	Real signature device	Real signature device	DisplayLink® Monitor Extension	DisplayLink® Monitor Extension	Monitor Extension	Monitor Extension
Display type	No display	Monochrome LCD	Full-colour TFT LCD	Monochrome LCD	Full-colour LCD	Full-colour LCD	Full-colour LCD	Full-colour LCD	Full-colour LCD	Full-colour LCD
Display size	✗	4" (10,4 cm)	5" (12,8 cm)	4,5" (11,4 cm)	5" (12,6 cm)	10,1" (25,6 cm)	10,1" (25,6 cm)	7" (17,8 cm)	11,6" (29,5 cm)	15,6" (39,5 cm)
Backlight	✗	with or without backlight	✓	with or without backlight	✓	✓	✓	✓	✓	✓
Colour	✗	✗	✓	✗	✓	✓	✓	✓	✓	✓
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.	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	30 million signatures	30 million signatures	30 million signatures
Number of colours	-	-	65,536 (High Color)	-	16,7 Mio. (True Color)	16,7 Mio. (True Color)	16,7 Mio. (True Color)	16,7 Mio. (True Color)	16,7 Mio. (True Color)	16,7 Mio. (True Color)
LCD resolution	-	320 x 160 pixels	640 x 480 pixels	320 x 160 pixels	800 x 480 pixels	1.280 x 800 pixels	1.280 x 800 pixels	1.024 x 600 pixels	1.920 x 1080 pixels	1.920 x 1080 pixels
Scrolling	✗	✗	✗	✗	✗	✓	✓	Monitor Extension	Monitor Extension	Monitor Extension
Authentication capability	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
Unlimited softkeys	✓	✓	✓	✓	✓	✓	Monitor Extension	Monitor Extension	Monitor Extension	Monitor Extension
Design	Germany	Germany	Germany	Germany	Germany	Germany	Germany	China	China	China
Manufacturing										
Software development/support										
SENSOR								Germany	Germany	Germany
Sensor technology	Resistive Touch Panel (RTP)	Resistive Touch Panel (RTP)	Resistive Touch Panel (RTP)	Electromagnetic Resonance Technology (ERT); Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	Electromagnetic Resonance Technology (ERT); Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	Electromagnetic Resonance Technology (ERT); Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	Electromagnetic Resonance Technology (ERT); Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	Electromagnetic Resonance Technology (ERT); Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	Electromagnetic Resonance Technology (ERT); Suitable for on-screen hand writing. Sensitive to ERT Stylus only, no influence by hand touch, no erroneous input.	Electromagnetic Resonance Technology (ERT); 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	156 x 86 mm	256 x 144 mm	344 x 194 mm
Pressure sensor unit	1.024	1.024	1.024	2.048	2.048	2.048	2.048	2.048	2.048	2.048
Pen type	Tethered passiv stylus with changeable cartridge	Tethered passiv stylus with changeable cartridge	Tethered passiv stylus with changeable cartridge	Tethered active 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	Tethered active stylus with changeable tip	Tethered active stylus with changeable tip
Battery free pen	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Internal sampling rate	6.000 pps	6.000 pps	6.000 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)	+/- 0,5 mm (center)	+/- 0,5 mm (center)	+/- 0,5 mm (center)	+/- 1,0 mm (center)	+/- 0,5 mm (center)
Sensor resolution	2.214 x 1.130 ppi	2.214 x 1.130 ppi	1.387 x 1.040 ppi	2.487 x 2.499 ppi	2.400 x 2.910 ppi	1.264 x 1.292 ppi	1.264 x 1.292 ppi	5.086 x 5.075 ppi	5.223 x 5.136 ppi	5.084 x 5.067 ppi
Detectable height	-	-	-	5 - 15 mm	5 - 15 mm	5 - 15 mm	5 - 15 mm	5 - 15 mm	5 - 15 mm	5 - 15 mm
Signature sampling report rate	500 pps	500 pps	500 pps	500 pps	500 pps	500 pps	280 pps	200 pps	250 pps	250 pps
ELECTRONICS / DIGITISATION										
Communication/connectivity	Secure HID-USB; High-Speed WinUSB	Secure HID-USB; High-Speed WinUSB; Optional hardware FTDI VCOM	Secure HID-USB; High-Speed WinUSB	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; Ethernet (optional Power over Ethernet)	DisplayLink® (USB) Y-Cable	DisplayLink® (USB) Y-Cable	3-in-1 HDMI	VGA, HDMI, USB
HID-USB (64KB/sec)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
USB Full Speed (12 MB/sec)	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓
USB High Speed (460 MB/sec)	✗	✗	✓	✓	✓	✓	✓	✓	✓	✓
Virtual COM via USB (FTDI)	✓	✓	✓	✓	✓	✓	✗	✗	✗	✗
Switching modes between VCOM and USB	✗	✗	✓	✗	✗	✗	✗	✗	✗	✗
Near Field Communication (NFC)	✗	✗	Optional	✗	✗	✗	✗	✗	Optional	✗
Fingerprint	✗	✗	✗	✗	✗	✗	✗	✗	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	Status LED	Status LED	Status LED
Software	Several SDKs available for integration.	Several SDKs available for integration.	Several SDKs available for integration.	Several SDKs available for integration.	Several SDKs available for integration.	Several SDKs available for integration.	Tablet-PC API, SDK for pen input	Tablet-PC API, SDK for pen input	Tablet-PC API, SDK for pen input	Tablet-PC API, SDK for pen 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 32 pictures which can be used for static content (fast switching between different pages) and slide shows.	✗	✗	✗	✗
Power supply	USB	USB	USB	USB	USB	USB Y-cable	USB Y-Cable	USB Y-Cable	External Power adapter (AC 100-240 V; 50/60 Hz)	USB, external Power adapter (AC 100-240 V; 50/60 Hz)
OPERATING AND STORAGE CONDITIONS										
Surface liquid resistance	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Operational temperatures	-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	0°C to +50°C	-10°C to +45°C	-10°C to +45°C
Storage temperature	-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	-25°C to 70°C	-25°C to 70°C	-25°C to 70°C
Humidity	<= 90% non-condensing	<= 90% non-condensing	<= 90% non-condensing	<= 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 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux	Windows 10 and Windows Server 2016 (or newer), Terminal Server (RDP, Citrix), Linux
Development environments	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (JavaScript/WebSocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (JavaScript/WebSocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (JavaScript/WebSocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (JavaScript/WebSocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (JavaScript/WebSocket)	Desktop and Web SDK/API: .Net Assembly (C#, VB), C++, Java, ActiveX, Linux, browser integration (JavaScript/WebSocket)	Monitor Extension	Monitor Extension	Monitor Extension	Monitor Extension
Browser support	Chrome, Opera, Firefox, MS Edge	Chrome, Opera, Firefox, MS Edge	Chrome, Opera, Firefox, MS Edge	Chrome, Opera, Firefox, MS Edge	Chrome, Opera, Firefox, MS Edge	Chrome, Opera, Firefox, MS Edge	Monitor Extension	Monitor Extension	Monitor Extension	Monitor Extension
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. 500 units	Yes, min. 500 units	Yes, min. 500 units	Yes, min. 500 units
Security/encryption	AES-256 encrypted connection with RSA-key-exchange. Secure mode which doesn't decrypt signature data at host for real-time display.	AES-256 encrypted connection with RSA-key-exchange. Secure mode which doesn't decrypt signature data at host for real-time display.	AES-256 encrypted connection with RSA-key-exchange. Secure mode which doesn't decrypt signature data at host for real-time display.	AES-256 encrypted connection with RSA-key-exchange. Secure mode which doesn't decrypt signature data at host for real-time display.	AES-256 encrypted connection with RSA-key-exchange. Secure mode which doesn't decrypt signature data at host for real-time display.	AES-256 encrypted connection with RSA-key-exchange. Secure mode which doesn't decrypt signature data at host for real-time display.	AES-256 encrypted connection.	AES-256 encrypted connection.	AES-256 encrypted connection.	AES-256 encrypted connection.
Terminal server	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Data interface	USB	USB	USB	USB	USB	USB and Ethernet (optional)	USB	USB	3-in-1 HDMI	VGA, HDMI, USB
Data cable length	2 meter, fixed	2 meter, fixed	2 meter, fixed	2,7 meter, detachable	2,7 meter, detachable	2,7 meter, detachable	2,7 meter, detachable	2,7 meter, detachable	2,7 meter, detachable	2,7 meter (including HDMI, USB and Power adapter)
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, optional Power over Ethernet	5 V powered from USB	5 V powered from USB	5 V powered from USB	5 V powered from USB
RoHS directive compliant	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Screen protectors	-	Optional	Optional	-	-	-	-	-	-	-
Warranty	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)	2 years (opt. up to 5 years)
TOOLS										
signoIntegrator/2	Included	Included	Included	Included	Included	Included	Included	Included	Included	Included
signoImager/2										
MS-Office Add-In										
RSA-Manager										
Free updates/maintenance for tools and SDK	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
DIMENSIONS										
Product dimensions (H x D 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	23 x 145 x 180 mm	20 x 185 x 299 mm	40 x 248 x 380 mm
Weight	ca 170 gr.	ca. 230 gr.	ca.320 gr.	ca. 240 gr.	ca. 280 gr.	ca. 830 gr.	ca. 850 gr.	ca. 350 gr.	ca. 850 gr.	ca. 2,5 kg