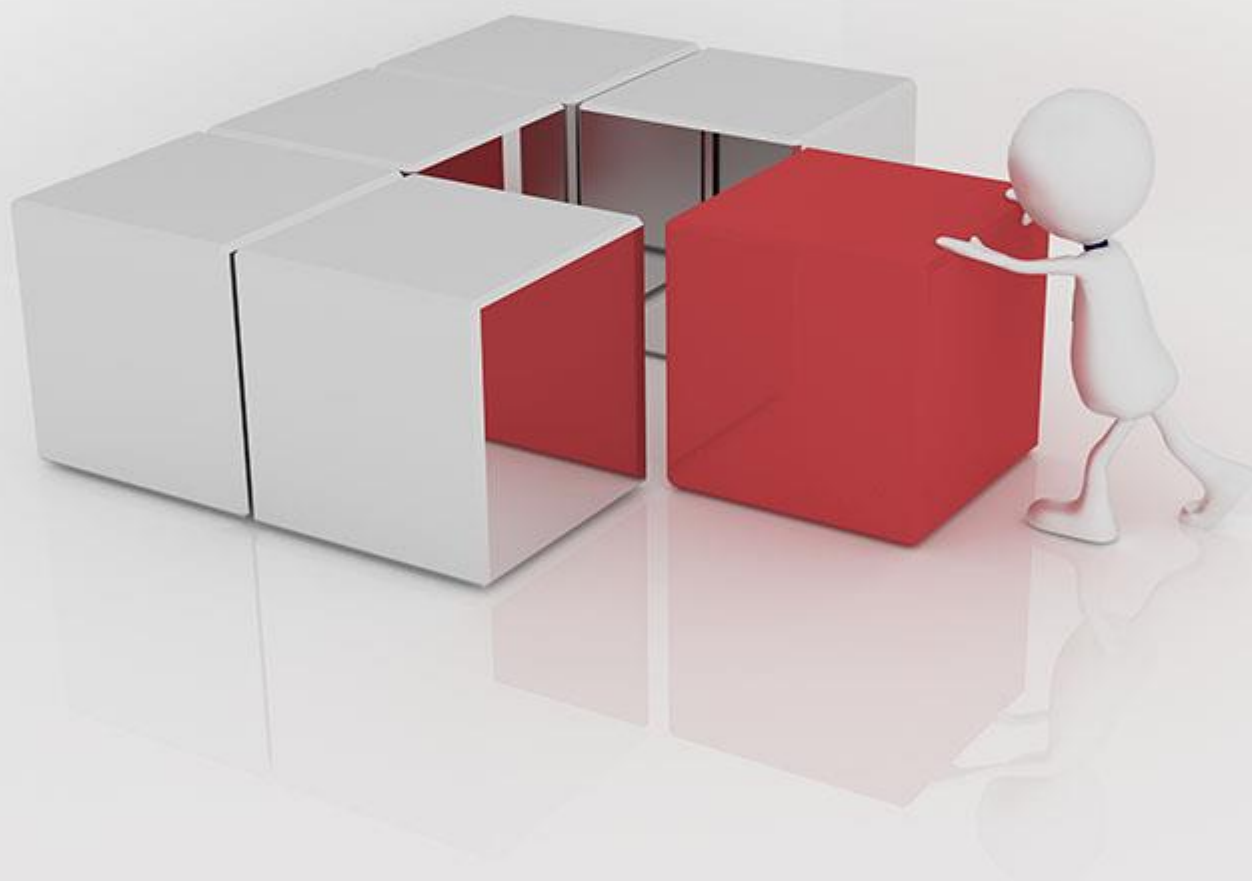# naturaSign Pad **Classic**

THE CLASSICS UNDER THE SIGNATURE PADS
FOR OFFICE SERVICE

Technical Information of naturaSign Pad Classic

The naturaSign Pad Classic with monochrome black-and-white screen and USB connection is the official successor to the classic naturaSign Pad I and II, of which one hundred thousand have already been sold and which is developed and manufactured by StepOver in Germany.

Specific features:

At just one centimetre tall, the naturaSign Pad Classic is currently one of the thinnest LCD sign pads on the global market. Thanks to its flat construction, offset sensor surface and lower placement of the screen, and the "turn" button, with which the sign pad, and with it the surface for resting your hand, can be rotated through 180º, so for the first time left-handed as well as right-handed people can find the optimum position for writing: just like writing on a notebook.

The integrated LCD screen shows the signature in real time and can be used to view texts, graphics, parts of a document and interactive buttons.

The naturaSign Pad Classic has a holder in the side for secure storage of the pen during transport, as well as another, vertical holder for when the pad is in use. The pen is held on a chord. For safe transportation on the move this pad is standardly delivered in the StepOver protective case.

The highest proof security on the market

Each naturaSign Pad Classic is provided with a unique certificate for the digital signing process (2048 bit RSA private key), with which the internal signature creation unit signs the document in a completely safe way. Furthermore, with this certificate the person examining the signed document can precisely assign the signature to a specific signature pad.

Apart from this, the processor of the signature pad contains a public key of a second key pair (RSA 2048 bit), generated by a notary public. By means of this key, the biometric data is already encrypted in the pad. This way, highly sensitive information can never be found in decrypted format in the unsafe "computer" environment (e.g. working space). The private key of this second key pair is safely deposited by the notary public. The unique safety concept of this StepOver signature pad offers the user the highest possible proof security, since it is the only way they can provably claim they never used the biometric data of the signature for purposes other than intended (e.g. by intercepting and copying the data to another document).

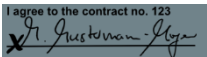With Win7, Win8 and Linux, it is not necessary to install a driver. The status lights and the screen show the status of the device (off: not connected; orange: ready; green: capturing signature).

The device has two holes in the back that enable it to be fixed to a desk or wall. Here you can download the relevant drilling template (mounting holes):

https://www.stepoverinfo.net/downloads/webseite/drilling-jig-Classic.pdf

THE CLASSICS UNDER THE SIGNATURE PADS
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Technical data:

Description	Referring to	Value	Measurment
Material	naturaPen (Pen)	POM	Material description
Pen	naturaPen fastened to casing with spiral cord.	naturaPen	Name
Material	Casing	Polycarbonate	Material description
Width	Casing	15	cm
Depth	Casing	12	cm
Height	Casing	1	cm
Width	Surface area of sensor and screen.	10	cm
Depth	Surface area of sensor and screen.	2.9	cm
Width	Active area of screen.	9.6	cm
Depth	Active area of screen.	2.5	cm
Width	Active area of sensor. (Both sides greater than active area from the screen)	9.8	cm
Depth	Active area of sensor. (Down bigger than active area from the screen)	2.6	cm
Length	Supplied connector cable 1x mini USB to USB.	200	cm
Weight	Signature pad without cable.	ca. 150	grams
Temporal Definition emitted/real	Groups of 4D coordinates (Each group is made up of the coordinates X, Y, pressure and time)	500	Emissions per second
Temporal definition of the measurement	Internal Reporting rate (samples).	7000	Reporting rate 4D samples/sec (super sample 14 x (14 times greater)
Optical definition emitted/real	Definition of the captured X and Y coordinates (without adding some coordinates to other/without interpolation).	1000	DPI
Accuracy of repetition	Accuracy of repetition in X,Y measurements.	+/- 0.1	mm
Display	x and y resolution of the built-in transflective graphic (matrix) black and white screen. **Note:** The screen on the pad shows the signature in real time and can be used to display texts and virtual surfaces.	320 x 85	Pixels
Horizontal viewing angle	Left side / Right side	minimum 40° - typically 45°	°
Vertical viewing angle	Front / Opposite position	minimum 35° - typically 40°	°
Standard-Bild-Ressourcen	The naturaSign Pad Classic can be equipped with the following image resources:	-	-
	Standby mode: The standby mode shows the manufacturer's logo.		
	Optionale Customer logo: For larger projects, the pad with a custom can "black / white" logo for the standby are delivered.		
	Standard Signature mode: The default signature mode displays a signature line and the "Spin" - button for the left-and right-handed mode.		
	Show text in display: The text in the signature mode can be adjusted dynamically on the signature software. (Documents, signatures and advertising images are merely for illustration purposes.)		
Measurement of pressure	Maximum number of differentiated pressure levels.	512	Levels of pressure
Minimum pressure	Lowest measurable writing pressure.	1	Newton
Maximum pressure	Highest measurable writing pressure.	10	Newton
Connection	Standard Mini-USB.	Plug	-

naturaSign Pad Classic **TECHNICAL INFORMATION**

Energy Use	A low power consumption helps the environment and extends the battery life of notebooks.	>100	mAh
Type of transmission	Encrypted HID. This device does not require an HW driver. It is directly recognised by Windows/Linux similarly to a mouse or keyboard.	USB/HID	USB 2.0 (USB 1.1 compatible)
Encryption Algorithm	Name of the standard cryptographic algorithm used for the transfer of data.	RSA 2048 bit AES 256 bit	-
Working temperature	Temperatures at which the pad will function according to what is specified here.	0 to +50	°C | with a max. of 90% RH without condensation
Storage temperature	Temperatures at which the device can be transported and stored.	-10 to +80	°C | with a max. of 90% RH without condensation
Meets	Certificates / Licences	CE, WEE	-
Quality control measures for each device	Quality control and safety tests for all devices. The test protocols are linked to the serial number of the device and the coded initials of person who carried out the tests, and are available, free of charge, for our clients on request.	Testing of each device: Operation and margin for error in measurements	1/1
General quality control measures	Selection of component providers and documented production cycles. StepOver GmbH only works with ISO certificated providers and works according to ISO regulations.	EN ISO 9000 ff	-
Identification / serial number	Each signature pad of this type has been given a unique serial number. The serial number can be found from the device's firmware and read on the display after insertion. There is also the option to add the serial number in figures for projects over 500 units and fix it as a barcode on the back of the device (subject to cost).	Code 39	Barcode type (Optional / Subject to surcharge - only when ordered ex works)
Recycling	This product can be almost entirely recycled. The parts, such as the casing, etc. are marked with information about the materials used.	WEE-Registration Number	DE 27870259
Protecting the environment	For every signature pad sold, StepOver makes a donation to promote the planting of new trees. As of the end of 2014, a total area of 1.5 million m² has been planted in several projects across the world!	CO_2 neutral emissions	-
Manufacturer	StepOver Europe	StepOver GmbH Otto-Hirsch-Brücken 17 70329 Stuttgart Germany	Address
Country in which it is produced	Country in which the development, manufacture and quality control takes place.	Germany	Made in Germany
Accessories included	Standard Accessories.	Mini-USB-Cable, Instruction manual in multiple languages, Protective case	Per 1 unit
Order number	GTIN article number.	GTIN	4260130060848

Original product:

Important note:

This product is protected by property rights and national and international patents.

We reserve the right to make technical changes that result in an improvement in the functioning of the device.

All names and trademarks are property of their respective owners.

The content and structure of this documentation are protected by copyright. The use of information, data, and especially of images, texts or sections of text without the express permission of StepOver is not permitted.

It is important that the indications given in the operating and security instructions are followed. The operating instructions can be found in the following electronic manual www.StepOverInfo.net/MAN.

This product is not available for import, distribution or use in the USA. For products designated for the US market, contact StepOver Inc. www.StepOver.com/us.