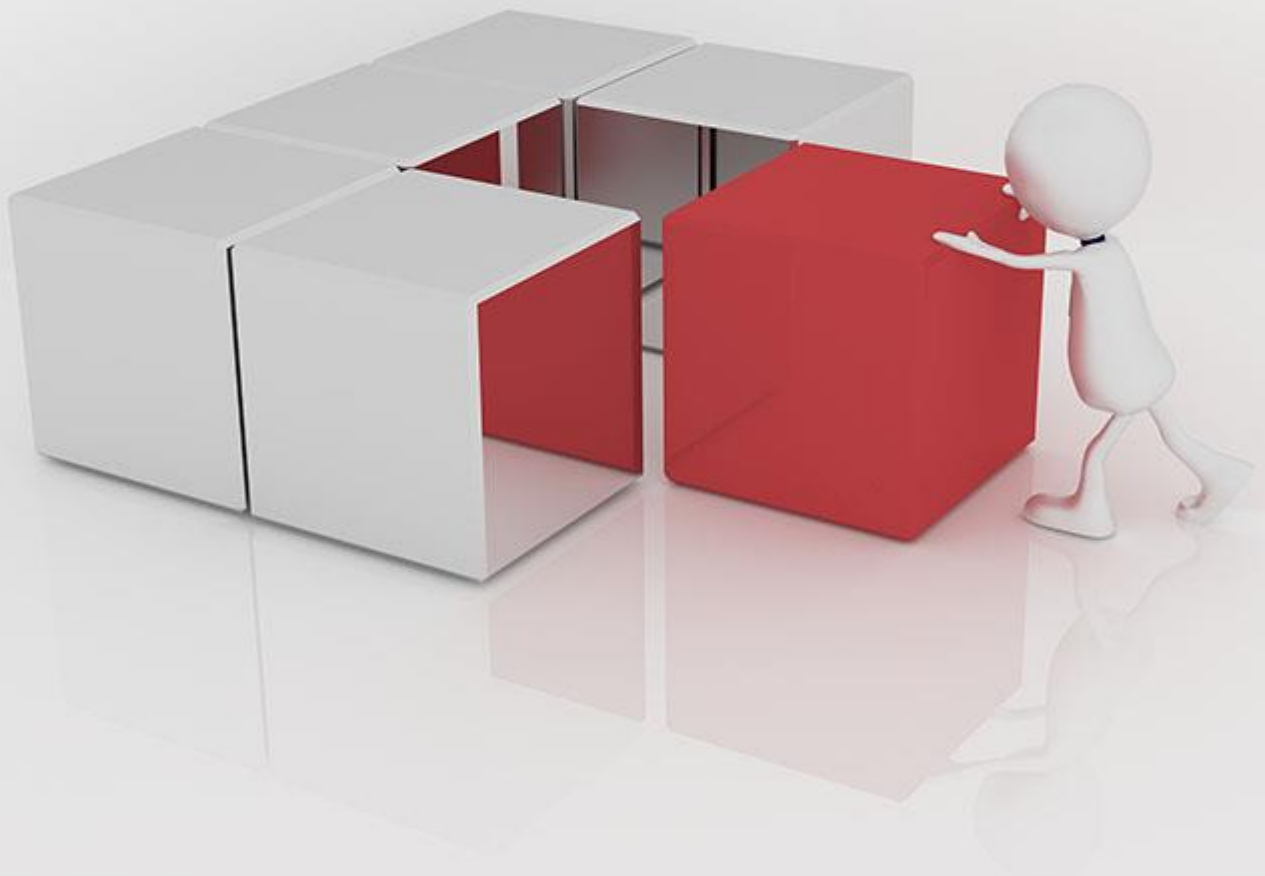


TECHNICAL INFORMATION

naturaSign Pad Economy

Step Over
INTERNATIONAL



THE ROBUST SIGNATURE PAD FOR MOBILE USE



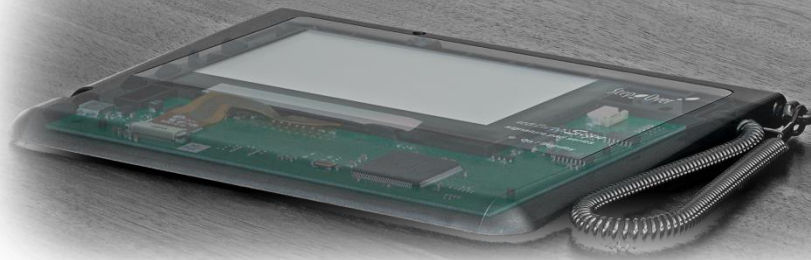
naturaSign Pad Economy TECHNICAL INFORMATION

Technical Information for the naturaSign Pad Economy

With the naturaSign Pad Economy, the StepOver development team have taken note of the growing trend for ever-larger displays to enable convenient, easy handling. The naturaSign Pad Economy is specifically developed for the demands of mobile usage, including field sales.

Specific features:

The naturaSign Pad Economy has been specially designed to meet the demands of mobile use, such as in service in the field. Thanks to the flat black-and-white screen, extremely flat design (less than 0.39 inch / 1 cm thick) and rounded edges, the naturaSign Pad Economy is a highly compact yet stable and comfortable device for capturing signatures.



The enlarged black-and-white screen means that this pad offers even more space for signatures: even scrawled handwriting is no longer a problem. Individual texts, position interactive

buttons, and company logos can be inserted on the screen. The high-resolution black-and-white screen ensures that all inserts will be clearly displayed.

The tried-and-tested “rotate” function enables the writer to turn the signature line 180°, so left-handers can also sign comfortably.

The naturaSign Pad Economy has a holder on 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 cord.

The highest proof of security on the market

Each naturaSign Pad Economy 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 secure way. Furthermore, with this certificate the person examining the signed document can precisely assign the signature to a specific signature pad.

Apart from this, signature pad processor contains a public key for 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 an unsafe computer environment (e.g. working space). The private key for this second key pair is safely deposited with a notary public.

The unique safety concept of this StepOver signature pad offers the user the highest possible proof of security, since it is the only way to prove a claim that the the signature’s biometric data was never used for purposes other than intended (e.g., by intercepting and copying the data to another document).

A driver does not need to be installed for Win7, Win8, Win10 or Linux. 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 secured to a desk or wall. Here you can download the relevant drilling template (mounting holes):




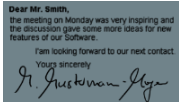
<https://www.stepoverinfo.net/downloads/webseite/drilling-jig-Business.pdf>

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naturaSign Pad Economy TECHNICAL INFORMATION

Technical data:

Description	Referring to	Value	Measurement
Material	Signature-Pen (Pen)	POM	Material description
Pen	Signature-Pen fastened to casing with spiral cord	Signature-Pen	Name
Material	Casing	Polycarbonate	Material description
Width	Casing	6.42 / 16.3	inch / cm
Depth	Casing	5.16 / 13.1	inch / cm
Height	Casing	0.37 / 0.95	inch / cm
Width	Surface area of sensor and screen	3.74 / 9.5	inch / cm
Depth	Surface area of sensor and screen	2.09 / 5.3	inch / cm
Width	Active area of sensor	3.7 / 9.4	inch / cm
Depth	Active area of sensor	2.05 / 5.3	inch / cm
Length	Supplied micro USB to USB Connector cable (1x)	79 / 200	inch / cm
Weight	Signature pad without USB-cable	0.36 / 162	lbs / grams
Temporal resolution	Groups of 4D coordinates (Each group is made up of the coordinates X, Y, pressure, and time)	500	Reporting rate / 4D samples/sec
Temporal definition of the internal measurement	Internal reporting rate (samples)	7000	Internal measuring rate / 4D samples/sec (14 times oversampling)
Spatial resolution	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	+/- 0.004 / +/- 0.1	inch / mm
Display	X and Y resolution of the built-in transfective 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 181* *native 320 x 160	pixels
Horizontal viewing angle	Left side / right side	minimum 40° - typically 45°	°
Vertical viewing angle	Front / opposite position	minimum 35° - typically 40°	°
Standard-viewing resources	The naturaSign Pad Economy can be equipped with the following image resources:  Standby mode: The standby mode shows the manufacturer's logo.  Optional Customer logo: For larger projects, the pad can be delivered with a custom black/white logo during standby.  Standard signature mode: The default signature mode displays a signature line and the "rotate" - button for left-and right-handed mode.  Show text in display: In the signature mode the text can be adjusted dynamically in the signature software. (Documents, signatures and advertising images are for illustration purposes only.)	-	-

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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	Newtons
Connection	Standard Micro-USB.	Plug	-
Energy use	Very low power consumption protects the environment and extends the battery time of notebook computers.	ca. 200	mAh
Type of transmission	Encrypted HID. This device does not require a hardware 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 data transfer.	RSA 2048 bit AES 256 bit	-
Working temperature	Temperatures at which the pad will function according to what is specified here	32 to +122 / 0 to +50	°F / °C with a max. of 90% RH without condensation.
Storage temperature	Temperatures at which the device can be transported and stored.	14 to 176 / -10 to +80	°F / °C with a max. of 90% RH without condensation.
Meets	Certificates / licenses	FCC	-
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 International 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 attach 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	The use of the sign pad saves paper.	CO ₂ neutral emissions	-
Manufacturer	StepOver International	StepOver International 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.	Micro USB connection cable, Instruction manual in multiple languages	Per 1 unit
Order number	SOI article number.	SOI	130060596

THE ROBUST SIGNATURE PAD FOR MOBILE USE



Original product:



Important note:

Use of this product is limited to the intended purpose. Use for electronic signing only.

Be aware that this product may have small parts that may be harmful or fatal if swallowed. It can be dangerous if thrown, broken or handled carelessly.

Keep away from children and infants. Pay attention to the instructions and warnings written in the manual and on the device. This product is intended for use in the United States of America.

This product is protected by intellectual 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 International GmbH is not permitted.

It is important to follow the indications given in the operating and safety instructions. The operating instructions can be found in the following electronic manual at www.StepOverInfo.net/MAN.

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