

duraSign Pad 4.3

Technical data sheet



4.3-inch signature pad with tempered glass surface

for stationary and mobile use

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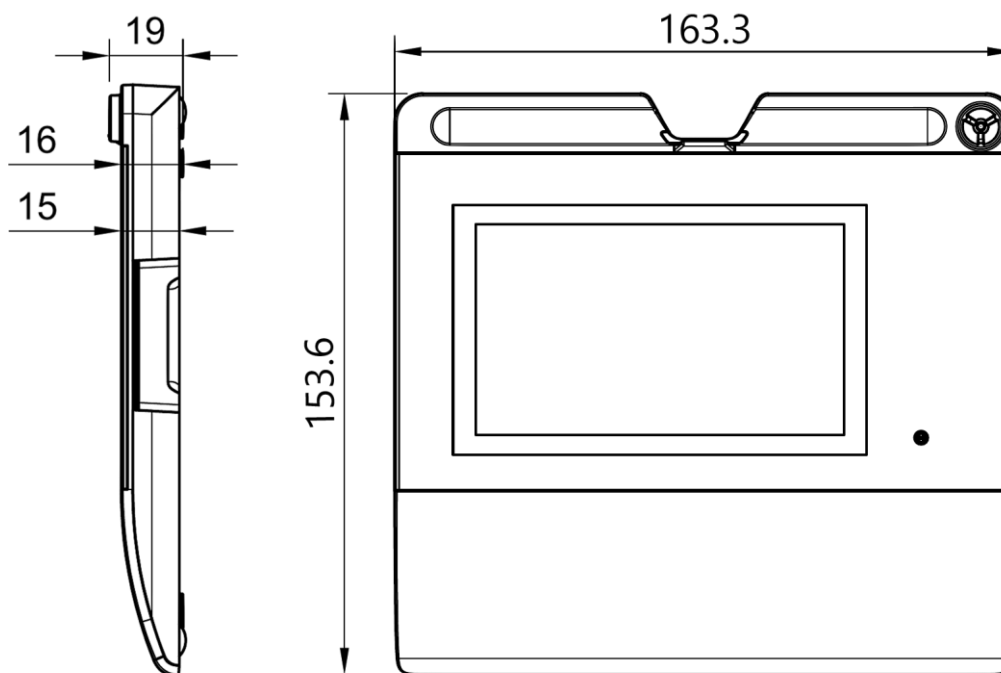


GENERAL

Manufacturer	StepOver GmbH	StepOver GmbH Otto-Hirsch-Brücken 17 70329 Stuttgart Germany	address
Country of origin	Country where development, manufacturing and quality assurance takes place.	Made in Germany	
Order number	GTIN item number	GTIN	4260130061456
Order number with 3 years warranty and barcode	GTIN item number	GTIN	4260130061630
Traceability/ serial number	Each signature pad of this type has been given a unique serial number. The serial number can be accessed from the device's firmware and read on the display after powered on. Optionally, for projects involving over 500 units, the serial number can be added to the back of the device in digits and as a bar code (subject to cost).	Code 39	barcode type (Optional / Subject to surcharge - Only when ordered ex-works)

DIMENSION / HOUSING / COMPOSITION

Material	Housing	PC/ABS
Width	Housing	16.3 cm
Depth	Housing	15.4 cm
Height	Housing	1.9 cm
Weight	Signature pad without USB cable.	300 grams
Cover lens	Chemically tempered glass over the display.	



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PEN

Pen type	duraPen (electro-magnetic pen; battery-free).	duraPen 1
Pen force resistance	Max. force that may be applied to the pen tip.	8 Newtons
Pen attachment	Textile cord affixed to the housing. Pen is easy to replace, with no tools required.	

DISPLAY

Display type	Colour display TFT	4 colours
Width	Active area – display	9.5 cm
Depth	Active area – display	5.3 cm
Display brightness	Values of display brightness	Max. 330 cd/m ²
Display	X- and Y- resolution of the integrated colour screen:	
	<p>Note: The pad screen displays the signature in real time and can be used to display text.</p> <p>The LED backlight has an expected lifespan of 20,000 operating hours. The screen can be switched off and on again via software (recommended if the device is also connected to a switched-on computer or separate power source outside of working hours e.g. 24/7).</p>	480 x 272 pixels
Horizontal viewing angle	Left side / right side	typically 60°
Vertical viewing angle	Front / Opposite position	typically 60°
Standard image resources	 <p>Standby mode: The standby mode will display the serial number, FW version, manufacturer logo and additional information. The manufacturer logo can be replaced by customer's own logo.</p>	The documents, signatures and advertisement images seen here are merely for illustration purposes.
	 <p>Standard signature mode: The text in the information section at the top can be adapted dynamically using the signature software. A bar listing available functions is displayed on the right.</p>	
	 <p>Show text in display: It is possible to show an information text.</p>	
Supported file types and resolution for customer logo	PNG, JPG, BMP	480 x 272 pixels

SIGNATURE CAPTURE

Sensor type	Sensor type to capture signature data.	ERT sensor
Sensor durability	Max. number of signatures possible (with different pens, if necessary).	> 30 million signatures
Sensor material	Glass in the capture section with ERT sensor situated underneath.	Chemically tempered glass surface material
Width	Active area ERT sensor	9.5 cm
Depth	Active area ERT sensor	5.3 cm
Resolution	Resolution of captured X- and Y- coordinates (without interpolation/ without adding some coordinates to other).	X=2565 Y=2565 DPI / LPI
Accuracy of repetition	Accuracy of repetition of X-Y measurements.	+/- 0.4 mm
Temporal resolution output	Groups of 4D coordinates (Each group consists of X, Y, pressure and time).	500 output per second
Measurement of pressure	Maximum number of differentiated pressure levels.	1024 pressure levels
Minimum force	Lowest measureable writing force.	Approx. 0.5 Newtons
Maximum force	Highest measureable writing force.	Approx. 8 Newtons

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SAFETY

Protection of biometric data	Patented encryption method with RSA public key safely stored in the signature pad and RSA Private Key safely stored with a notary for decryption in case of dispute.	
Encryption algorithms and Signature algorithms	Name of the standard cryptographic algorithms, which are used for encryption of the biometric data in the pad. Name of the cryptographic algorithm which are used for the digital signature inside the pad.	RSA 4096 bit, AES 256 bit, SHA 256 bit,
Kensington Slot anti-theft system	The back of the housing has a standard Kensington Security Slot. This slot is suitable for normal Kensington locks (T-Bar) and flat ClickSafe Kensington locks (e.g. model K64637WW with T-Bar). Inside, the slot is reinforced with a metal plate. Only mild/moderate force should be applied to the ClickSafe Security Anchor, otherwise the housing may crack.	Slot for Kensington locks

SYSTEM REQUIREMENTS

Operating System	It is not necessary to install an OS driver.	Windows 10 and above, Current Version of Mac OS, Linux Distribution
Software compatibility	In order to make full use of this product, you will need a version of the following software that has, at the minimum, the same version number or higher.	eSignatureOffice from version 7.3 SimpleSigner from version 8.1.0 Device API / Signature API from version 3.1.0 PadConnector from version 3.1.0

CONNECTIVITY / POWER SUPPLY

USB cable	USB A to Mini-USB B	Length	2 meters
Accessories included	Standard accessories	USB cable, Multi-lingual operating manual	per 1 unit
Power consumption	Maximum power consumption	1.55 watt	(310 mA)
Connectivity	This device does not require a HW driver; it is directly recognised by Windows/Mac OS and most Linux Distributions.	USB HID Device	USB 2.0 Device

OTHER FEATURES

Operating temperature	Temperatures at which the pad can function according to what is specified here.	0 to +50	°C With a max. of 65% RH without condensation
	Limited temperature range in particularly humid environments.	0 to +40	°C With a max. of 90% RH without condensation
Storage temperature	Temperatures at which the device can be transported and stored.	-10 to +70	°C With a max. of 90% RH without condensation
	Recommended storage temperature for the set.	-10 to +70	°C With a max. of 90% RH without condensation
Conformity	Certifications / approvals	CE, UKCA, WEE, RoHS	
Quality assurance measures per device	QA tests of all devices. Test protocols are linked to the serial number of the device and the coded initials of the person who carried out the tests. They can be sent to the customer via email upon request, free of charge.	Each device tested for function and measurement error	
General quality assurance measures	Selection of component suppliers and standardised, documented production processes. StepOver GmbH works exclusively with ISO-certified component suppliers, and works in line with ISO regulations.	EN ISO 9000 ff	
Recycling	Most of this product can be recycled. Components such as the housing, etc. are labelled with information about the materials used.	WEE registration no.	DE 27870259
Environmental protection	For every signature pad sold, StepOver makes a donation to promote the planting of new trees. As of 2023, a total of 1.85 million m ² has been planted in several projects across the world!	CO2-neutral product	
Drilling jig	The device has two screw holes on the back for desktop or wall assembly.	Dimensions can be found on the StepOver Website	Download PDF Dokument

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IMPORTANT INFORMATION:

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

We reserve the right to make technical modifications designed to improve this product.

All hardware and software names employed are registered trade names and/or trademarks of the respective manufacturer/owner. The content and structure of this documentation are protected by copyright. The reproduction of information or data, particularly text, sections of text and images, requires the prior consent of StepOver GmbH.

The safety and operating instructions provided in the operating manual must be observed. You will find an electronic operating manual online at: www.StepOverInfo.net/MAN

This product is not intended for import, distribution or use in the USA. Please contact StepOver International GmbH regarding products for the US market.

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