

duraSign Pad NG 10

Technical data sheet



10 inch next generation signature pad

standalone pad on your network with best-in-class performance

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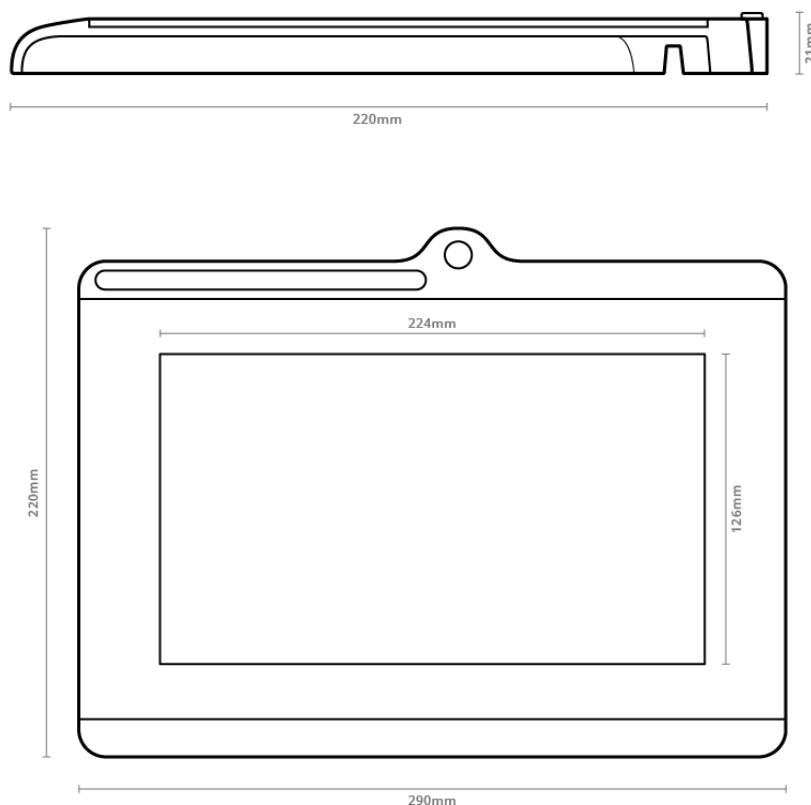


GENERAL

Manufacturer	StepOver GmbH	StepOver GmbH Otto-Hirsch-Brücken 17 70329 Stuttgart Germany	Address
Country of origin	Country where development, manufacture and quality assurance takes place.	Germany	Made in Germany
Order number	GTIN item number.	GTIN	4260130061418
Order number with 3 years warranty	GTIN item number.	GTIN	4260130061623
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	Material description
Width	Housing	29	cm
Depth	Housing	22	cm
Height	Housing	2.1	cm
Weight	Signature pad without connector cable.	945	grams
Glass	Chemically tempered glass over the display	-	-



duraSign Pad NG 10

Technical Data Sheet



PEN

Pen type	duraPen 3 (electro-magnetic pen; battery-free)	duraPen 3	Name
Pen pressure resistance	Max. pressure that may be applied to the pen tip	800	grams
Pen attachment	Textile cord affixed to the casing. Pen is easy to replace, with no tools required.	-	-

DISPLAY

Display type	Colour display TFT	-	64k colours
Width	Sensor and screen capture	28.95	cm
Depth	Sensor and screen capture	17.29	cm
Width	Active surface - screen	22.41	cm
Depth	Active surface - screen	12.67	cm
Display brightness	Values of display brightness	310	cd/m ²
	x- and y- resolution of the integrated colour screen:	1024 x 600	pixels
Display	<p>Note: The pad screen displays the signature in real time and can be used to display texts, documents, and virtual buttons.</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>		
Horizontal viewing angle	Left side / right side	min 60° - typically 70° °	
Vertical viewing angle	Front / Opposite position	min 60° - typically 70° / min 45° - typically 50° °	
Standard image resources	<p>Standby mode: If the customer has not loaded a slide show or a video onto the signature pad, the standby mode will display the serial number, FW version, manufacturer logo and additional information.</p> <p>Optional slide show: In standby mode, advertising images (slide show) can be displayed. The signature pad also has an internal memory for at least four exchangeable advertising images. The advertising images can be loaded and changed by the customer.</p> <p>Optional Video playback: In standby mode, a video can be played. The video is played in a loop until the device leaves standby mode. Note: The video resolution is lower than the native screen resolution. The video is scaled to the full screen size. Only the specified video format is supported. The unit has no speakers and therefore does not play sound. The device has an internal memory for a video that can be up to 30 minutes long.</p> <p>Signing in the document: The section of the document around the signature field is displayed in the main field. A bar listing available functions is displayed on the right-hand side of the screen.</p> <p>Document view: In document view mode, users can view a multiple-page document. A function bar located on the right-hand side assists navigation.</p>		

SUPPORTED FILE FORMATS

Document file format	PDF/A 1b, PDF/A 2b, PDF/A 3b, other PDF- Formats depending on tests	PDF/A	1b, 2b, 3b, others PDF formats, if tested
Slide show and picture file format	PNG, JPG, BMP	1024x600 pixel	
Video file format	Codec: VP8, Resolution: 512x300 will be scaled to display size, Bitrate 512K, Refresh rate 24 Hz	512x300 pixel / 512K Bitrate / 24Hz	VP8



SIGNATURE CAPTURE

Sensor type	Sensor type to capture date and signature.	ERT sensor	-
Sensor durability	Max. number of signatures possible with the sensor (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 surface	21.9	cm
Depth	Active surface	13.6	cm
Spatial resolution	Resolution of captured x- and y- coordinates (without interpolation/ without adding some coordinates to other).	X=2560 Y=2560	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).	330	Output per second
Measurement of pressure	Maximum number of differentiated pressure levels.	2048	Pressure levels
Minimum pressure	Lowest measureable writing pressure.	Approx. 0.5	Newtons
Maximum pressure	Highest measureable writing pressure.	Approx. 8	Newtons

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 256, SHA 256 bit, RSA 4096 bit	ASE bit, bit
Date stamp	The date and time stamp, that is attached to each signature requires an internal battery which supplies an internal pad clock with power. The date stamp may deviate by one day per year, if not update via a NTP time server.	Standard function	Standard
Opening recognition (optional)	The opening detection function must be requested when placing your order (subject to surcharge). The open detection works also in case that the device is not supplied with external power, thanks to an internal battery. If the signature pad should exceed the battery lifespan, it can be renewed by StepOver. In this regard, the device is also checked for integrity (tampering) and the alarm is reset.	Optional function	Subject to surcharge – Only when ordered ex-works.

SYSTEM REQUIREMENTS

Driver	It is not necessary to install a driver. The device is detected as an external network device by Windows, Mac OS and most Linux distributions.	Windows 10 and above, Mac OS Catalina and above, Linux Distribution with USB 2.0 support (or higher) and Ethernet over USB driver (CDC)	-
Use with a web browser	In order to make full use of this product, you will need a version of the following browser.	Chrome, Edge, Safari, Firefox	-
Software compatibility	In case you do not want to use the signature device with your web browser, you can use it together with the following software.	eSignatureOffice 7.X or higher SimpleSigner 8.X or higher	-
Developer Interface	Signature Pad has a REST API Interface which can be used to implement the signature pad with customer applications.	Internal REST API Next Gen API (.NET) swagger Interface	-

duraSign Pad NG 10

Technical Data Sheet



CONNECTIVITY / POWER SUPPLY

Connector cable	Y-cable / 2x USB A connector Mini-USB B connector	Length	3 meter
Accessories included	Standard accessories.	Connector cable, Multi-lingual operating manual	per 1 unit
Power consumption	Maximum power consumption	5	Watt (1000 mA)
Transmission type	This device does not require a HW driver; it is directly recognised by Windows/Mac OS and most Linux Distributions.	USB Network Device (Ethernet over USB)	USB 2.0 device
Kensington Slot anti-theft system	The back of the casing has a Kensington Security Slot. This slot is suitable for normal Kensington locks and flat ClickSafe Kensington locks (e.g. model K64637WW). Inside, the slot is reinforced with a metal plate. Only mild/moderate force should be applied to the ClickSafe Security Anchor, otherwise the casing may crack.	Slot for Kensington locks	-
Accessories (additional/ not included)	Ethernet Connection Kit (Europlug) for duraSign Pad NG 10	USB 2.0 Network Adapter, 10/100Mbit with Slimline USB power supply 7 Watt	Per 1 unit
Accessories (additional/ not included)	Ethernet Connection Kit (International Plugs) for duraSign Pad NG 10	USB 2.0 Network Adapter, 10/100Mbit with USB power supply 7,5 Watt	Per 1 unit

OTHER FEATURES

Battery	Button cell (LI-MnO2). The button cell is required for the internal real timeclock and the optional "opening recognition" function.	CR2032	Type
Operating temperature	Temperatures at which the pad can function according to what is specified here.	0 up 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	1/1
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 casing, 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 mid 2020, a total of 1.75 million m² has been planted in several projects across the world!	CO2-neutral product	-
Drilling jig	The device has three screw holes on the back for desktop or wall assembly.	-	Download PDF document

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Technical Data Sheet



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.

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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

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