

SIG100

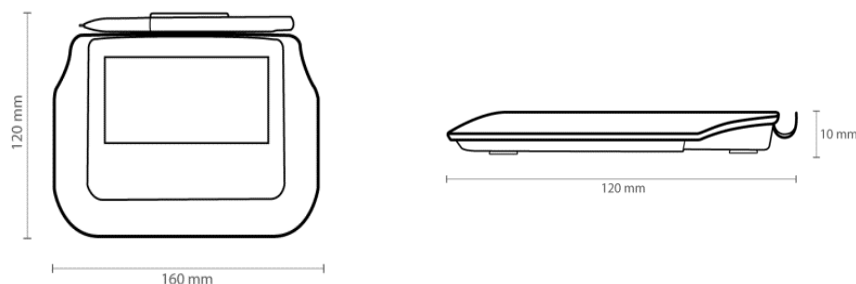
Monochrome Signature Pad



Sig100 signature pad simplifies your workflows while ensuring a natural signature, thanks to the display's smooth surface, as well as **reliable and secure data**. Its resistive technology and compact design make it **ideal for both mobile and stationary uses**.

HIGHLIGHTS

- Monochrome 4" (10,4 cm) thin-film transistor (TFT) with optional backlight
- Flat, light and cost effective build for stationary and mobile usage
- Secure mode to display the signature on the screen in real-time
- Unique RSA-signature creation and RSA-encryption methodes inside the pad
- Signature capturing with 500 Hz 4D samples and 1.024 pressure stages (x, y, z, t)
- No special pen required (cheap replacement available)
- Battery-free pen with changeable pen tip
- Delivery comes with completely assembled USB cable, pen and cord



ARTICLE NUMBERS

- **ST-BE105-2-UEVL** : Sig100 Signature Pad
- **ST-BE105-2-UEVL-MB1** : Bundle Sig100 Signature Pad with signoSign/2 licence



GENERAL FEATURES

- Dimensions W. 160 x D. 120 x H. 10 mm / 6.29" x 4.72" x 0.39"
- Approx. weight 230 g / 0,50 lbs (incl. cable)
- Approx. cable length 2 m
- Power consumption:
 - Standby status: <500 µA
 - Without LCD-Backlight: 45 mA
 - With LCD-Backlight: 165 mA
- USB power supply
- 2 programmable LED color status
- Mounting stand on the backside, compatible Multigrip™ plate available
- Life expectancy approx. 1 million signatures (approx. 150,000 signatures for the pen)
- 2-year warranty

DISPLAY

- Monochrome TFT (Thin Film Transistor) display
- 4" display size (10,4 cm)
- Optional backlight display (brightness: 158 cd/m²)
- 320 x 160 pixels resolution / 86 x 86 ppi
- 0,275 mm pixel size

SENSOR

- Resistive Touch Panel (RTP)
- 91 x 45 mm active signing area
- 4.096 x 4.096 pixels / 2.214 x 1.130 ppi
- Linearity: +/- 1,5% in x-, y- and z- direction
- Special sensor for pen input
- Special foil surface with wear-protection
- 1.024 pressure sensor unit
- External sampling rate: 500 Hz (samples per second), 4 axes (x, y, time and pressure)
- Internal sampling rate: 6.000 Hz (samples per second)
- Battery-less pen with special changeable spring-loaded lead
- Highly flexible textile-cord and horizontal pen holder

CONNECTION TYPES

- HID-USB and WinUSB
- Chargeable VCOM-Port-Driver
- USB-Standby-Support, if the corresponding signal is given, the device switches off.

DRIVER AND SOFTWARE

- No special driver is required for a USB connection
- Compatible with optional signoSign/2 software (chargeable) for creating and signing secure PDF documents
- Free SDK available on request to integrate signature pad into your application
- Free Tools and Twain driver available on request
- Further chargeable software available on request

SYSTEM ENVIRONMENT

- Operating system:
 - From Windows 10 and later versions
 - From Windows Server 2016 and later versions (RDP, Citrix)
 - Linux
- Terminal Server and Citrix: compatible with Windows Remote Desktop and Citrix ICA

SECURITY MECHANISMS

- AES-256 encrypted data transfer between host and pad via RSA key exchange
- RSA signature and encryption in the pad
- Flash memory protected against data theft
- Real-time display of the signature without usable biometrics
- Creation and storage of certificates in the pad
- 4096 Bit key size
- Certificate Signing Request (CSR) can be generated in the pad and extracted
- The CSR can be signed by a root authority
- Supported Hash-algorithms:
 - SHA-1
 - SHA-256
 - SHA-512
- Transmission and Signing of a SHA-256 Hash via WinUSB:
 - 2048 Bit: 850 ms
 - 3072 Bit: 2.500 ms
 - 4096 Bit: 5.600 ms
- The casing can be glued optionally to prevent forceful break in

MISCELLANEOUS

- The standby image is freely configurable
- Operating temperature: -10°C to +60°C
- Storage temperature: -25°C to +70°C
- Air humidity for operation/storage <= 90% non-condensing
- Air pressure for operation/storage > 700 hPa
- IP 52 degree of protection
- Certifications:
 - CE
 - FCC
 - RoHS-compliant according to EU-regulations

