

# SIG100 LITE

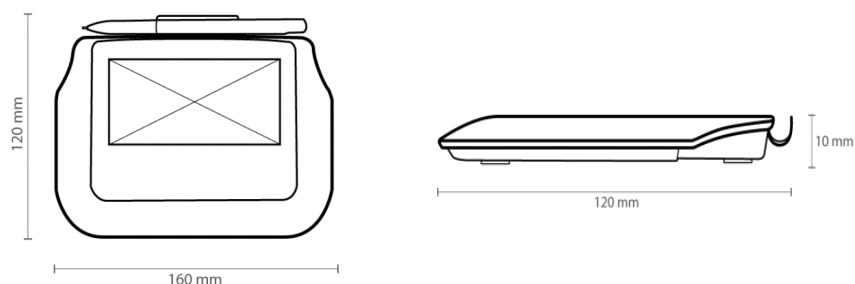
## Signature pad without LCD



**Sig100 LITE is the most cost-effective signature pad** of the range. Thanks to its specific hard-wearing signature surface, this **LCD-free signature pad guarantees an accurate signature, displayed in real time on the associated monitor**. Ideal for applications requiring only the customer's signature.

### HIGHLIGHTS

- Cost-efficient signature pad with 4" (10,4 cm) active signing area (no display)
- Special signing surface for precise signature capturing
- Secure mode to display the signature on the screen in real-time
- Unique RSA-signature creation and RSA-encryption methods inside the pad
- Signature capturing with 500 Hz 4D samples and 1.024 pressure stages (x, y, z, t)
- Delivery comes with completely assembled USB cable, pen and cord



### ARTICLE NUMBERS

- **ST-LTE105-2-UEVL** : Sig100 LITE Signature Pad



## GENERAL FEATURES

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- Dimensions W. 160 x D. 120 x H. 10 mm / 6.29" x 4.72" x 0.39"
- Approx. weight 170 g / 0,37 lbs (incl. cable)
- Approx. cable length 2 m
- Power consumption:
  - Standby status: <500 µA
  - Running: 20 mA
- USB power supply
- 2 programmable LED color status
- Mounting stand on the backside, compatible Multigrip™ plate available
- Life expectancy approx. 2 million signatures (approx. 150,000 signatures for the pen)
- 2-year warranty

## DISPLAY

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- Robust Polycarbonate surface coating (no display)
- 4" surface size (10,4 cm)

## SENSOR

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- 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 signing 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

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

## DRIVER AND SOFTWARE

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- 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

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- 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

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- 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

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- 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

