

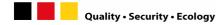
signotec Gamma

LCD Colour Signature Tablet ERT

Description and data sheet



MADE IN GERMANY



Version: 1.7 Date: 2017-04-24



HIGHLIGHTS

- Self-sufficient slide show with up to 10 graphics
- Including free of charge software packages incl. SDK for several programming languages
- Unique RSA-signature creation device and RSA-encryption methods inside the pad
- "Content Signing" allows to directly sign the content displayed on the LCD, to assure to sign the correct document
- Secure mode for real time display
- Several options for secure certificate and key management inside the pad
- Robust signature tablet with 5" TFT
- High resolution colour display with 800 x 480 pixels
- Extremely flat design
- Sensor surface made of hardened special glass
- Extreme long service life and robust
- Battery-free pen with changeable pen tip
- Electromagnetic Resonance Technology, the sensor is only responding to the pen
- No malfunction when simultaneously touching the surface with hand
- Records "flying movements" up to 5 mm
- Exchangeable USB cable with reliable cord grip
- Vertical and horizontal pen holder
- Outstanding technical data for digitising signatures
- Display of coloured graphics, buttons and text
- Display of various fonts and font sizes
- Graphic compression to reduce transmission time
- Self-sufficient slide show with up to 10 graphics
- Scroll function for graphics up to a size of 800 x 1.440 pixels

- Multi-Interface-Support: HID-USB, WinUSB, virtual COM-port
- Optional internal USB to serial converter virtual serial port for terminal server support
- Control of 2 LEDs in the front
- Defining and deleting of the input area for the signature
- Buttons can be defined, queried and cancelled on the display
- Retrieval of the model number and firmware version
- Auto-Power-Off with relevant signal on USB bus
- Signature display in real time
- Power supply via USB without power supply unit



TECHNICAL DATA

Alterations for the technical progress, manufacturing tolerances and mistakes reserved at any time! We reserve the right to alter the technical data without prior notice.

Dimensions		
Thickness	12 mm	
Width	145 mm	
Height	177 mm (incl. horizontal pen holder)	
Height	Display	
Type	5" full colour TFT with backlight	
Number of colours	16,7 Million	
Resolution	800 x 480 pixel absolute ≙ 188 x 188 ppi	
Scroll function	Yes	
Pixel spacing	0,135 x 0,135 mm	
Visible area	108 x 64,8 mm	
VISIBIC di ca	Sensor	
Active signing area	108 x 64,8 mm	
Resolution	10206 x 7422 pixel ≙ 2400 x 2910 ppi	
Linearity	± 0,4 mm	
Technology	ERT (Electronic Resonance Technology): Suitable for on-screen	
reciliology	hand writing, no influence by hand touch	
Surface hardness	Extremely durable, hardened special glass	
Pressure stages	1024 pressure stages	
Pen	Active and battery-free pen with changeable pen tips	
Life span of the pen tip	1,2 Mill. at 250 gram pressure and 2,5 cm length	
Total life	30 Million signatures	
	ectronics/Digitisation	
Output rate of the coordinates	500 Hz 4D Samples (consisting of x, y, time, pressure)	
Internal sampling rate	6.000 samples per second	
USB port	USB-HID Full-Speed (full-speed interrupt transfers) and USB Full-	
002 po.t	Speed (full-speed bulk transfers)	
Serial port	Optional via internal USB to serial converter	
USB Standby Support	Yes, when relevant signal is present the device will switch off	
Driver	Not necessary for HID-USB. Only for virtual serial port and	
	WinUSB	
Software/SDK/Tools	SDK and tools free of charge incl. updates and new versions	
Data transfer	AES 256 encrypted data transfer between PC and pad via RSA	
	key exchange	
Serial number	Unique and retrievable internal serial number	
Firmware	Retrievable via software	
Status display	2 coloured and freely programmable LEDs	
Power consumption	450mA; Standby 18 mA (HID/WinUSB) und 16 mA (FTDI)	
Plug'n'Play	Yes, for both connection types (HID and virtual serial)	
Readout protection of the firmware	Yes, flash memory is protected against readout	
Miscellaneous		
Cable port	Micro USB with cord grip at the pad to USB-B	
Cable length	2,7 meter	
Weight	220 gram	
Pen attachment	Highly flexible textile tether	
Certifications and standards ROHS	TÜV, CE, DIN EN 60950-1, DIN EN 61000-6-1, DIN 61000-6-3 ROHS compliant	
Tamper-proof closure	Optionally the case can be glued	
Barcode	A barcode with a serial number is located on the device and the	
Darcode	cardboard box	
WEEE-RegNr. (German register for	DE 41995888	
used devices)	22 .2555555	
Operating systems	Windows XP (SP3) and later, Windows Server 2003 and later,	
, , , , , , , , , , , , , , , , , , , ,	Windows Terminal server support, Linux; 32 and 64 Bit	
Protection class	IP 52	



Operating and storage conditions		
Operating temperature	- 10° C to + 45° C	
Storage temperature	- 25° C to + 70° C	
Max. humidity for operating and storage	<= 90 % non-condensing	
Air pressure for operating and storage	> 700 hPa	
Reliability/Quality assurance		
Quality test	Individual testing of devices with test log	
High temperature test of the	240 hours at 80° C	
components		
Low temperature test of the components	240 hours at - 40° C	
Humidity test of the components	240 hours at 60° C and 90 % humidity	
Thermal shock test of the components	30 minutes at – 40° C and directly 30 minutes at + 80° C (10x in succession)	
Article numbers		
signotec Gamma Colour Signature Pad with USB, 2,7 m cable	ST-GERT-3-U100	
signotec Gamma Colour Signature Pad with virtual COM-port via USB – 2,7 m (USB 2serial)	ST-GERT-3-UFT100	

Article number description:

ST	Manufacturer (signotec)
G	signotec Gamma series
5	Sensor size 5"
3	USB cable length 2,7 Meter
U	USB
FT	Additional internal virtual COM-port converter (USB2Serial)
100	Standard colours regarding logo print and case



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