

# 4,3" Bedienterminal

Datenblatt



Gesellschaft für  
Automatisierungstechnik



## Merkmale:

- 4,3" WQVGA, 480 x 272 Pixel, 390 cd/m<sup>2</sup>
- Kapazitiver Multi Touch
- Texas Instruments AM3359, 1 GHz, 2000 MIPS Prozessor
- 512 MByte DDR3L 800MHZ SDRAM
- 2 GByte FLASH Onboard (eMMC)
- Ethernet 10/100 MBit/s
- USB 2.0 HOST, Typ A
- USB 2.0 DEVICE, miniUSB
- 2 x RS485 mit schaltbarem Abschlusswiderstand
- 1 Micro SD Steckplatz (HC)
- Optionale Interface Boards (GSM, WiFi, Bluetooth)
- 12 VDC / 24 VDC Versorgungsspannung
- Lüfter- und kühlkörperloser Betrieb
- Batteriefach für 3,7 VDC Li-ion Akku Size AA
- Echtzeituhr, RTC (mit Gangreserve)

09.10.2015 Rev 3

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Display	
Size	4,3" (109 mm)
Type	TFT transmissive
Resolution	WQVGA (480 x 272)
Colors	18 bit (262K)
Brightness	390 cd/m <sup>2</sup>
Orientation	6 o'clock
Display Area	96 x 55 mm
Screen Format	Wide (16:9)
Backlight	White Led, dimmable
Touch	
Type	Projective Capacitive Touch
Activation	Multi Touch, 5 Fingers
Report Rate	80 Points per second

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<b>CPU</b>	
Type	Sitara AM3359 ARM Cortex-A8
Manufacturer	Texas Instruments
Clock	Up to 1 GHz, 2000 MIPS
Coprocessor	NEON™ SIMD
L1 Cache	32 KB Instruction / 32 KB Data
L2 Cache	256 KB with Error Correcting Code (ECC)
<b>Memory</b>	
RAM	512 MB DDR3L, 800 MHz
FLASH	2 GByte FLASH Onboard (eMMC)
<b>Graphics</b>	
Graphics Engine	PowerVR SGX530 2D/3D, 20 Million Polygons per second
API Support	OpenGL ES 2.0, OpenVG 1.1
Video Support	MPEG4, H.264, AAC
<b>Interfaces</b>	
Network	Ethernet 10/100 MBit/s
Storage Card	Micro SD Card Slot (HC)
USB Host	USB 2.0 Host, 480 Mbit/s, Typ A, 500 mA
USB Device	USB 2.0 Device, 480 Mbit/s, miniUSB,
RS485 1	Typ. 19200 Bit/s, Up to 1 Mbit/s , Half Duplex, Status LED for RX/TX, Slide Switch for Termination Resistor
RS485 2	Galvanic Isolation, Up to 12 Mbit/s, Half Duplex, Status LED for RX/TX, Slide Switch for Termination Resistor
<b>Power Supply</b>	
Supply	Nom. 12 VDC / 24 VDC Min. 9 VDC, Max. 30 VDC
Consumption	Typ. 5 W
<b>Dimensions</b>	
W x H x D	140 x 90 x 45 mm
Weight	730 g
<b>Environmental</b>	
Operation	0 to +50 °C, non-condensing
Storage	-20 to +70 °C
<b>Options</b>	
CAN	Max. 1 MBit/s, ISO 11898
GSM	Interface Board available from stock
Battery Operation	3,7 VDC Li-ion Battery, Size AA

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