

7" Bedienterminal

Datenblatt



Gesellschaft für
Automatisierungstechnik



Merkmale:

- 7" WVGA, 800 x 480 Pixel, 350 cd/m²
- 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)

21.08.2015 Rev 3

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Display	
Size	7" (178 mm)
Type	TFT transmissive
Resolution	WVGA (800 x 480)
Colors	18 bit (262K)
Brightness	350 cd/m ²
Orientation	6 o'clock
Display Area	153 x 92 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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CPU	
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)
Memory	
RAM	512 MB DDR3L, 800 MHz
FLASH	2 GByte FLASH Onboard (eMMC)
Graphics	
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
Interfaces	
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
Power Supply	
Supply	Nom. 12 VDC / 24 VDC Min. 9 VDC, Max. 30 VDC
Consumption	Typ. 10 W
Dimensions	
W x H x D	220 x 145 x 50 mm
Weight	980 g
Environmental	
Operation	0 to +50 °C, non-condensing
Storage	-20 to +70 °C
Options	
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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