

TERRA Board

LINUX EMBEDDED SINGLE BOARD COMPUTER

TERRA Board is a flexible board conceived for fast prototyping and final production batches of custom devices based on Linux Embedded Operating System for ARM.

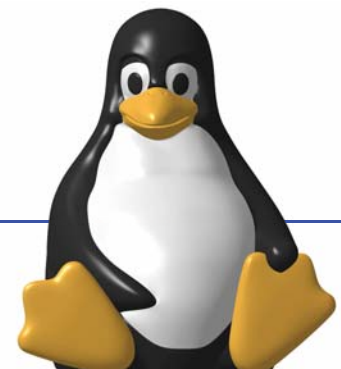


TERRA Board basic features

- Aria G25 SoM with ARM9 @ 400Mhz and 256Mbyte of RAM
- Three USB 2.0 Host ports, 2 hi-speed and 1 full speed. Separate power supply control on each USB port.
- Holder for bootable microSD with Debian Linux Embedded for ARM
- Ethernet 10/100 LAN port
- Board size: 10x10cm. Specifically designed for the Teko Tekal 31.29/30 enclosure
- Extended power supply input range from 9 to 28 Volt DC
- Placement for an optional 1-wire thermal sensor DS18B20
- Placement for an optional front panel 16x2 LCD module.
- Easily expandable with a rich set of in-field interfaces like RS232, RS485, Relay, Industrial I/O etc using the 7 flat cable slot for Daisy modules.
- RoHS compliant, low EMI design.

TERRA-M extras

- Quectel M95 quad-band GPRS module
- Standard SIM card holder
- SMA connector for external GSM antenna



ACME SYSTEMS SRL

Linux Embedded boards & modules

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TERRA Board

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Holder for bootable microSD with Linux embedded for ARM

Full speed USB 2.0 port

High speed USB 2.0 port

High speed USB 2.0 port

10/100Mbit Lan port

GSM Antenna plug

Power IN from 9 to 28 Volt DC

Slot for Dallas DS18B20 1-wire thermal sensor

Debug port interface for low level system messages

Headers for used defined extension

Quectel M95 quad band GSM/GPRS modem module


ARIA G25 Linux Embedde System on Module ARM9 @ 400Mhz 256MB of RAM


7 slots for Daisy expansion modules


CR1220 lithium battery holder for RTC circuitry


SIM card holder

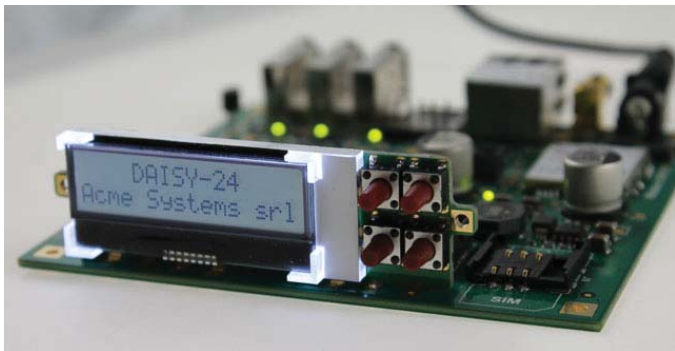
Slot for the Daisy-24 front panel (16x2 alphanumeric LCD + 4 push buttons)











DAISY-24 front panel module



Teko Tekal enclosure



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