EarthLCD Presents The Pi-Raq

An Open Source Raspberry Pi Based 1U Rack Mount Internet Appliance with the World's Only 10" x 1" TFT

The Pi-Raq has a powder coated sheet metal enclosure holding a Raspberry Pi B+ with an EarthLCD 10x1 LCD adapter board, the EarthLCD-10.4-1024100 TFT color display, and a user interface control utilizing a jog wheel. The Solid works files are included for this metal enclosure along with the schematic and gerber for the LCD driver. With the innovation of the Pi-Raq and existing EarthLCD 10x1 display, Rack mount equipment, such as power controllers, network hubs and routers, can now have an easily programmable front panel with color TFT LCD.

Running Debian Linux opens up the Pi-Raq standard network analyzer software, music servers and numerous open source applications to be ported to the Pi-Raq. The 4 USB ports and a 100 mb Ethernet Port allow for expanded network and I/O connectivity. The Pi-Raq operates off 9-20 Volts D.C. Using the Pi-Raq design will save customers months of design time and thousands of dollars and allow them to introduce a product rapidly.

Product Specifications

- 10" x 1" Color TFT
- 1024 x 100 Pixels
- 250 Nits
- 7 Function Tact and Scroll Wheel
- 9-20V Input Power Supply
- 10 x 1 LCD Adapter Board
- 4 USB Ports
- 100 MHZ Ethernet Port
- Embedded Controller Option Q4 2015
- HDMI Multi Display Controller Q4 2015
- Ideal for 1U Rack And Shelf Edge Applications
- Optional USB Version Available
- Touch-Screen Capability: Under development.

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