

# Medallion TPC-43B Touch Panel Computer

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The **TPC#43B** is an extremely cost-effective computer with a **Color TFT LCD and Touch panel** plus **Power over Ethernet**, targeting Building Automation and factory HMI (Human#Machine Interface) applications.

## Features

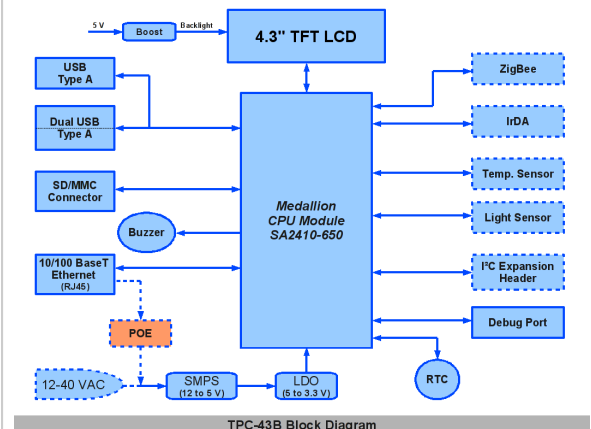
- **WqVGA (480x272) 4.3"**, **Color, TFT LCD Panel** in Landscape format, with 65,536 colors, adjustable **LED Backlight**, and **Touch panel**
- Powered by a standard **Medallion CPU Module** (an **SA2410-650** is included) for flexibility, the 32-bit **ARM9** processor features **32 kB of cache**, **64 MB of SDRAM**, and **128 MB or more of NAND flash**, plus a separate **NOR flash** for reliable boot-loader and SW update options
- **Power-Over-Ethernet (POE)** dramatically reduces installation costs.
  - **Replace power cables with a single CAT 5 cable for both power and Ethernet!**
- **Power options:** 10 - 30 VDC or 7 - 24 VAC or POE
- **Low-power**, passive cooling enables **fanless operation**
  - Typical power consumption with **12 V** in, with LCD & Backlight ON is **< 200 mA @ 200 MHz** (full-speed)
  - To **reduce power consumption**, software can turn the **backlight ON/OFF** and control the **brightness**
- **Low-power, Real-Time Clock (RTC)** with Battery Backup included
- **Hidden Memory Card Connector** for Secure Digital (SD) and MultiMediaCard (MMC) (for user-upgradeable storage expansion)
- **Full-speed, USB Host port** (USB Type A connector) supports **Hidden Wireless Expansion**, such as **802.11 or Bluetooth**

## Product Image



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## Block Diagram



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- **Fast Ethernet (10BaseT/100BaseTX)** interface with RJ45 connector featuring integrated LED status indicators
- **SW-controlled beeper** with **frequency/tone control**
- **RS232 serial interface** on optional DE9 adapter to accelerate SW development
- Ships with the proven **Medallion Linux 2.6 plus drivers pre-installed!**
- **Dimensions:**
  - **Width:** 129 mm, 5.1"
  - **Height:** 111 mm, 4.4"
  - **Thickness:** 28 mm, 1.1"
- **Mounting:** Even though the unit covers a **2-gang electrical box**, the power and Ethernet are on one side, so it can be mounted to a **1-gang electrical box**.
- **GUI options include:**
  - Choice of **Qt on X** or **Qt Embedded**, for full PC compatibility
  - Linux **Framebuffer (FB)**, operating in 16-bit, 65,536-color mode
  - **X11 (Xorg)** on FB for standard Linux/Unix graphics
  - **FLTK** on X, for a full-featured, extensible, yet *free* GUI
  - **GTK+** on X, another option for PC compatibility
  - Ask about **Web Browser Support**

**Ordering Information**

Model Name	Part Number	Price: \$ at Q=1000
TPC#43B	38#000660#211	\$369

Please **Contact Us** for pricing for other quantities.

**Contact Us**

Telephone	<a href="tel:1888TECHSOL">1 888 TECHSOL</a>
Web	<a href="#">Contact form</a>
E-mail	<a href="mailto:sales@techsol.ca">&lt;sales@techsol.ca&gt;</a>

**See also**

- [TPC#43B press release](#)
- [DevKits](#)