

Medallion TPC#35A Touch Panel Computer

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The **TPC#35A** is an extremely cost-effective computer with a **Color, TFT LCD and Touch panel** targeting Human-Machine Interface (HMI) applications.

Features

- **qVGA (320×240) 3.5", Color, TFT LCD Panel** in Landscape format, with 256,000 colors, adjustable LED Backlight, and Touch panel
- To meet changing power requirements, the **ARM-920T processor** can run at speeds ranging from 12 MHz to 200 or 266 MHz. This processor features **32 kB of cache, 64 MB of Mobile SDRAM** for reduced power consumption, and **128 MB or more of NAND flash**, plus a separate **NOR flash** for reliable boot-loader and SW update options
- **Low-power**, passive cooling enables **fanless operation**
- High-quality, **16-bit Audio In & Out** (for MP3s, Announcements, etc.)
- **Low-power, Real-Time Clock (RTC)** with Battery Backup included
- **Memory Card Connector** for Secure Digital (SD) and MultiMediaCard (MMC)
- **Full-speed, USB Host port** (USB Type A connector)
- **USB Device (Gadget) port** (USB Type B connector)
- 44-pin header for expansion, including **SPI, I²C, UART, IrDA, GPIOs, 8-bit expansion bus**, etc.
- **Fast Ethernet (10BaseT/100BaseTX)** interface with RJ45 connector featuring integrated LED status indicators
- **RS232 serial interface** on DE9 connector
- 16-pin header for **your custom power-supply** (optional), or just drive it all off a single 5V supply

Product Image



[enlarge image](#)

Block Diagram



[enlarge image](#)

Ordering Information

- To reduce power consumption, software can turn the backlight intensity ON/OFF and control the brightness
- Ships with the proven **Medallion Linux 2.6 plus drivers pre-installed!**

Dimensions: 4# × 4.25# × 1.25#

GUI options include:

- Linux **Framebuffer** (FB), operating in 16-bit, 65,536-color mode
- **X11 (Xorg using fbdev)** on FB for standard Linux/Unix graphics
- **FLTK** on X, for a full-featured, extensible, yet *Free* GUI
- **GTK+** on X, for full PC compatibility
- **QtEmbedded** on FB for a contemporary, appealing visual design and enhanced functionality
- We've even ported over obscure GUIs, such as **EZWGL**, for critical control environments where C++ is not allowed (such as food processing lines)

Model Name	Part Number	Price: \$ at Q=1000
TPC#35A	38#000280#640	\$254

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

Contact Us

Telephone	1 888 TECHSOL
Web	Contact form
E-mail	<sales@techsol.ca>

See also

- [TPC#35A press release](#)
- [DevKits](#)