

Medallion Small Touch Screen Computer (Small TSC)

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The **Medallion Small Touch Screen Computer (Small TSC)** is a line of modular touch-screen computers based on the Touch-Screen Computer Module, the successor to the Medallion Classic CPU Module. With 500 MIPS of ARM computer power, DDR memory, LCD, touch panel, Ethernet, USB and RS-232 serial ports, buzzer, power supplies, and even a microSD card connector, a Small TSC is an ideal computer for many small, touch-screen applications.

Features

A 3#board stack includes:

- LCD and Display Board with:
 - 18-bit direct-wire to TFT LCDs
 - 4-wire resistive touch-screen connection
 - backlight power supply and brightness control circuit
- Touch Screen Computer Module (TSCM) with:
 - 500-MIPS Freescale i.MX ARM processor running Techsol's Medallion Linux OS
 - 128 MB or 256 MB of DDR2 memory
 - 128 MB SSD (NAND flash memory) for boot loader and Linux OS
 - Ethernet MAC and PHY
 - Audio CODECs
- Input/Output (I/O) board with:
 - High-speed USB 2.0 Host ports
 - High-speed USB 2.0 Device port (shared internally via MUX)
 - RS-232 port on DE-9 connector
 - SW-controlled beeper with frequency/tone control
 - Fast Ethernet (10BaseT/100BaseTX) interface on RJ-45 connector with LED status indicators
 - microSD card connector
 - power supply interface for 9-33 VDC in, or up to 24 VAC power input

The complete system features:

Product Image



[enlarge image](#)

Block Diagram

Ordering Information

Model Name	Part Number	Price
TSC#XX	various	from \$150

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- extremely low power consumption permits fanless operation and mobile applications
- Ships with the proven Medallion Linux 2.6.3x plus drivers pre-installed.

Every unit is tested running Linux before it ships! Single units of the TSCM are available with Display and/or I/O boards as development kits with full SW development tools and support. Call for pricing. Development kits are usually available from stock. Production volumes are typically available in 6 to 8 weeks.

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See also

- [Small TSC press release](#)
- [TSCM product page](#)
- [DevKits](#)