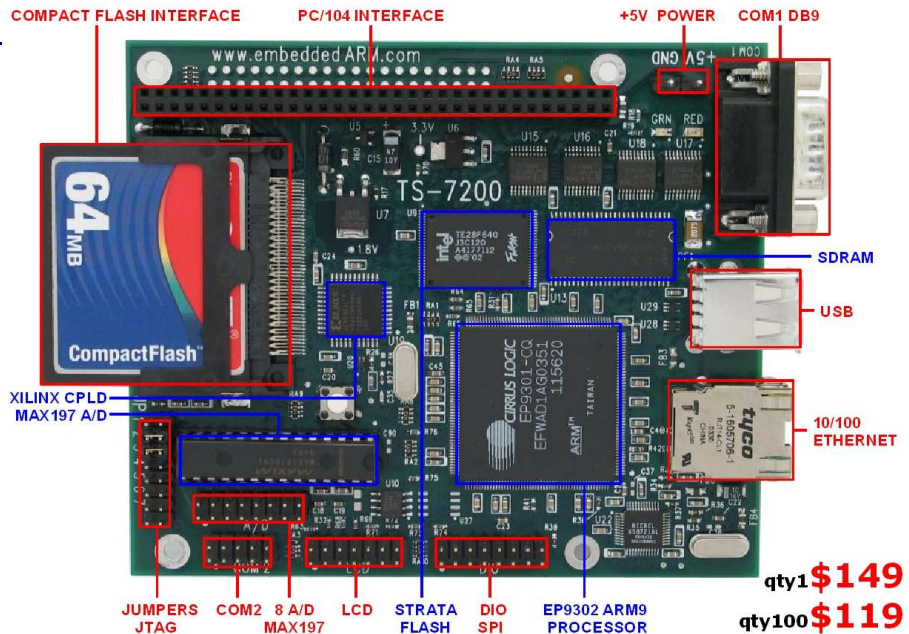


## OVERVIEW

The **TS-7200** is a compact full-featured Single Board Computer (SBC) based upon the Cirrus **EP9302 ARM9 CPU**, which provides a standard set of on-board peripherals. The EP9302 features an advanced **ARM920T 200 MHz** processor design with **MMU** that allows support for high-level Embedded Operating Systems such as Linux, Windows CE, and other.

This board includes a **compact flash** interface which allows booting from **large flash** drives on the **Debian** distribution, improving the Linux development capabilities. It also can **fast boot** from the on-board **Strata Flash** memory using a compact **TS-Linux** distribution.



## FEATURES

- **TS-Linux** Embedded Operating System Installed
- 200Mhz **ARM9** CPU with **MMU**
- 8 MB **Strata Flash** drive (16 MB optional)
- 32 MB **SDRAM** (64 MB optional)
- True IDE **Compact Flash** socket (for additional Flash Memory)
- 2 **USB 2.0** Compatible OHCI ports (12 Mbit/s Max)
- 2 **serial ports** (up to 230 Kbaud)
- 10/100 **Ethernet** port
- 20 total **DIO** pins
- Watchdog timer
- **PC/104** expansion bus
- **SPI** bus interface
- **Matrix Keypad** and Alphanumeric **LCD** interfaces
- **Fanless** from -20° to +70°C
- Single +5VDC power supply @ 450 mA
- Small size – 3.8 x 4.5 inches (9.7 x 11.5 cm)
- Optional 8-channel 12-bit **A/D** converter
- Optional temperature sensor
- Optional **RS-485** support on COM2
- Optional Battery Backed Real Time Clock (**RTC**)
- Optional Linux Supported **USB 802.11g** **WiFi**
- **TS-ARM** Development Kit Available
- Visit [TS-7200 webpage](http://www.embeddedARM.com) for further information

## LINUX FOR ARM

TS-7000 SBC's include **TS-Linux** embedded OS for ARM installed by default in **Flash** memory. **Debian Linux** can also be used with larger Flash drives. Both are full featured **real-time** capable Linux systems.



## DEVELOPMENT KIT



The **TS-ARM** Development Kit includes the **Debian Linux** on a 256 MB Flash drive, all the **documentation**, a CD with Linux Kernel and application **source codes**, a **power supply**, and various cables and connectors.

## PC/104 PERIPHERALS

Technologic Systems offers a wide range of **peripherals** via the **PC/104** Bus to extend the functionality of TS-7000 SBC's. Features include **Video**, **CAN** bus, **serial** and **ethernet** ports, **DIO**, etc.



**We have been in business over 20 years!**

We've built our business on **excellent products**, **low prices** and **exceptional support**. We sell a wide variety of off-the-shelf PC/104 SBC's and peripherals, and offer custom configurations and designs with excellent pricing and turn around time.

**Technologic Systems** has never discontinued a **product**. You can count on long term availability when you include our SBC's and peripherals in your design.

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