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 others.

This board includes a **compact flash** interface which allows booting from **large flash** drives to 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 -40° to +70° C, +85° C w/ CPU@166Mhz**
- **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** for further information

LINUX FOR ARM

The **TS-7200 SBC** includes **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 the **TS-7200 SBC**. 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.