

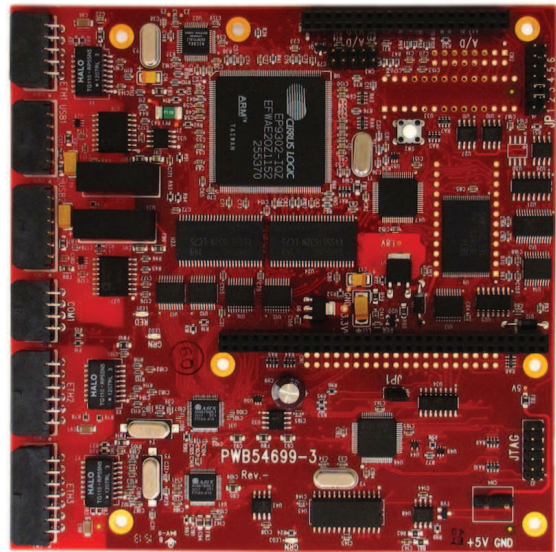
OVERVIEW

The **54699-3** 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 166 MHz** processor design with **MMU** that allows support for high-level Embedded Operating Systems such as Linux, Windows CE, and other.

This board includes **NAND** flash devices, which can provide up to **128MB** of fast flash memory. It allows quick operating system booting and large filesystem storing on the **same memory** device. Besides, It can run up to **64MB** of high speed **SDRAM**.

FEATURES

- **TS-Linux** Embedded Operating System Installed
- **166Mhz ARM9 CPU** with **MMU**
- **32 MB on-board NAND** flash drive (128MB optional)
- **32 MB SDRAM** (64 or 128 MB optional)
- **2 USB 2.0** Compatible OHCI ports (12 Mbit/s Max)
- **2 serial ports** (up to 230 Kbaud)
- **3 10/100 Ethernet** ports
- **CAN BUS** port
- **20 total DIO** pins
- **5 channels 12-bit A/D** converter
- **Watchdog** timer
- **PC/104** expansion bus
- **SPI** bus interface
- **Fanless -40° to +85°C**
- **Single +5VDC** power supply @ 600 mA
- **Small size – 5.5 x 5.5 inches**
- **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



LINUX FOR ARM

54699-3 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.



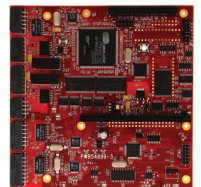
DEVELOPMENT KIT



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 54699-3 SBC. Features include **CAN** bus, **serial** and **ethernet** ports, **DIO**, etc.



We have been in business over 25 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.