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.