



**Specifications:**

1. 8bit 8031/8051 microcontroller @ 10MHz
2. System Monitor ROM is 8K bytes
3. System break point RAM 32K bytes
4. User RAM 8k bytes supplied (6264); provision for up to 32Kbytes (62256)
5. User ROM is 8Kbytes
6. Onboard Battery Backup for the user RAM
7. On Board Peripheral chips -8155 RAM, I/O Timer, 8255 Programmable Peripheral Interface, 8253 Programmable timer Counter, 8251 USART
8. Port accessible to user
  - a. Two 8 bit Parallel ports from 8155
  - b. Three 8 bit Parallel Ports from 8255
  - c. One 8 bit on-chip Parallel port P1
  - d. One on-chip Serial Port of 8031
9. All address, data control and 8031 port P1 and P3 lines brought out on a 50 pin FRC connector for system expansion
10. Operates with a serial CRT Terminal or with IBM Compatible PC Having terminal emulation software
11. Modes Of Operation:
  - a. Interrogation mode: for Interactive dialog with the system
  - b. Assembler mode: for Programming directly in assembly language
  - c. Continuation mode: for Setting RAM contents
  - d. Single step mode: for single stepping, break pointing and debugging
12. User Programs can be Downloaded or Uploaded in Intel Hex Format from the PC
13. Power Supply: Specially Designed 230V AC Power Supply

Note: Specifications are subject to change.

**Tesca Technologies Pvt. Ltd.**

IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,  
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,  
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com  
Website: www.tesca.in