- Full-featured PC compatible single board computer based on the Intel i386EX processor, 8-32 MB of RAM available.
- PC compatible General Software DOS included, equivalent to MS-DOS 6.22
- Hardware/BIOS compatible with: GNU/Linux, MS-DOS, DR-DOS, ROM-DOS, Phar Lap, RTEMS, uC/OS-II, QNX.
- PC compatible I/O and memory map, serial ports, interrupt controller, Real Time Clock, timers and BIOS.
- Inherent flash drive (A:) holds up to 830K of user applications, as well as bootable DOS-ROM and BIOS.
- Standard CMOS setup allows user configuration of disk drives and boot source, default boot source is ROM-DOS on A:
- JEDEC socket options: DiskOnChip flash drive for 8-288 MB of storage or 32K battery backed SRAM.
- Direct boot to DiskOnChip supported by BIOS.
- Integrated BIOS debugger allows manipulation of hardware and BIOS functions from the command prompt.
- Matrix keypad and alphanumeric LCD console support built into BIOS.
- Digital I/O has two byte wide ports, software configurable as input or output in 4-bit sections.
- When no video or keyboard is detected the standard console is redirected to COM2 (software and jumper configurable).
- Programmable watchdog timer can provide system-wide hardware reset.
- Standard 16-bit PC104 peripheral bus allows a wide range of hardware to be mated to the TS-3200.
- Z-modem download utilities allows download of files from desktop PC using serial connection.
- Comprehensive hardware test routines installed, source code available for download from web site.

Optional RS-485
Half-duplex RS-485 connected to COM1

LCD/keypad interface
Interface for standard alphanumeric LCD and 4x4 matrix keypad

Digital I/O
37 TTL compatible digital I/O, software configurable. IRQ's are available.

Real Time Clock (RTC)
Battery backed RTC tracks time, date and CMOS setup during power loss.

+5v Power
Single power supply +5vdc @ 375mA

Status LED
Shows boot status, available for user after boot.

COM1 & COM2
PC compatible serial ports, 2 handshake lines.

Jumper block
Jumper blocks available for user functions

Intel i386EX processor
PC/AT architecture runs operating systems and applications that are 386 compatible.

SDRAM
8, 16, or 32 megabytes versions are available.

JEDEC socket
Supports optional DiskOn-Chip flash drive or battery backed 32K SRAM.
DiskOnChip: 8-288 Megabytes mapped as DOS C: or
Linux /dev/fla1

16 bit PC104 Connector
Allows use of PC104 peripherals: video, analog, relays, I/O, etc.

1 Mb Flash "A: drive"
Bootable flash drive contains BIOS, ROM-DOS and 830 KB of user applications.