

# The Neat Computer

## *Fast!*

### *There's a really neat computer in town.*

Lately there has been a lot of talk about which PC processor is the best: the 80286 or the 80386.

If you need to run programs which are written specifically for the 80386 processor such as Windows 386, then you have no choice but to run them on a computer with a 80386 processor.

But if you run only MS-DOS applications, perhaps you should consider a computer built with the HARRIS 80C286 processor and the NEAT chip set by Chips and Technologies. This unit can be more than \$1000 less than a 80386 computer but still "out run" it when it comes to DOS applications like word processing and spread sheets.

Why does this chip set operate so quickly?

There are three reasons. The first is the fact that the processor runs at 16 Mhz. Megahertz (Mhz) is the basic "heartbeat" of the computer and is measured in million cycles per second. Now the original PC ran at 4.77 Mhz while the first AT computer ran at 6Mhz. As you can see, 16 is a whole lot faster than 4.

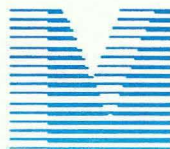
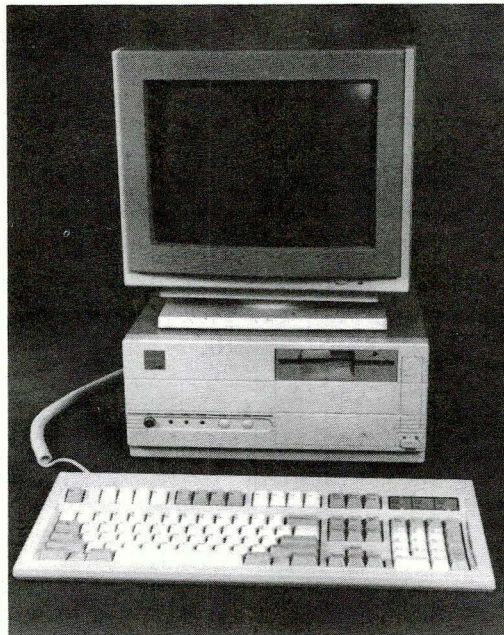
The second reason for the speed of this NEAT computer, is the HARRIS 80C286 processor. The C in its number stands for CMOS. CMOS is another way of making chips, which by its nature is faster and runs cooler than the standard

80286. Where the 80286 might get one "thing" done in a clock cycle, the 80C286 might be able to get two or three "things" done. This means the processor does more work in a given period of time making it faster.

The final reason this computer is faster is because of the NEAT chip set. This remarkable set of chips (integrated circuits), helps the 80C286 run at or near its potential. One of the problems faced by a computer running at this speed is that it is just faster than its memory. In order for the computer to be able to work without making mistakes, it must "wait" on the memory. One of the functions of the NEAT chip set is to control memory so that the processor doesn't have to wait very much. This means you get more work done by the processor.

The memory is not the only thing that is slow to the 80C286 processor. Many times the boards that are plugged into your computer are not fast enough to run properly. The NEAT chip set handles this problem too by slowing down the requests to other parts of the computer to a speed they are able to handle, but still allowing the 80C286 to run at or near its full speed.

The NEAT chip set has many more "jobs", but suffice it to say, this is a neat chip set and a neat computer.



**MDZ** Computer Service  
827 Martin Road in Martindale Plaza  
Amarillo, Texas 79107 (806) 372-2915



# *On Sale Now*

- ◆ Destiny 286-16N
- ◆ CPU: 80286-16 HARRIS
- ◆ Clock Speed: 6/16Mhz
- ◆ Maximum RAM: 8MB
- ◆ BIOS: AMI
- ◆ RAM Speed: 80ns
- ◆ Expansion Slot 3-8 bit, 5-16 bit, 1-16 bit memory
- ◆ Norton S.I. rating: 23

Destiny 80C286-16N  
"NEAT" Computer with 1  
Megabyte of RAM, 40  
Megabytes of high speed  
(28ms) Hard Disk storage,  
1.2 Megabyte Floppy Disk,  
Parallel and Serial Ports, 14"  
Monochrome Monitor, and  
MS-DOS 3.3.

**\$2195**



*NEAT*