

# Get Extra Storage Space For Your Computer



UniCard 40™



UniCard 20™



**Unitek Systems**

Midwest Headquarters 428 South Adams Hinsdale, Illinois 60521

# UniCard™ hard disk expansion cards for IBM\* PC and compatibles



SYSTEMS CORPORATION

**Call The Nation-wide Experts  
1-312-323-3395**

It seems like there's never enough storage to keep clean house of your computer system. One floppy disk for records. One for budgets. One misplaced floppy and you've lost your client list. But the new UniCard builds extra room for data right into your PC frame. It's like finding a new closet you can never fill.

UniCard is a hard disk substitute with all the benefits you'd expect. Plus innovative, exclusive extras. Like easy, no-knowledge installation. IBM compatibility (including the Personal System/2 Model 30\*\*). Even heavy-duty shock-mounting (great for portable applications). You get your choice of formats: UniCard 20 (21 MegaBytes — equal to over 50 floppy disks), or UniCard 40 (42 MegaBytes — over 115 floppy disks all at the same place). And with its superior, trim engineering, UniCard leaves lots of room for memory boards, graphics cards and other options.

What the UniCard doesn't come with is important too. No additional power demand. No connector cables or adapter cards. And no extravagant price either.

But there's only one way to get UniCard. Call us. You'll reach our technical advisers, authorities on UniCard applications and other mass storage systems, from hard drive systems to tape backups. And consultation regarding system enhancement and upgrading is free. So call the nation-wide experts. Unitek.

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\*\*UniCard 40 only.

## SPECIFICATIONS

Media	3.5 inch rigid disks (2)	Maximum Access Time, using buffered seek, including head settling time	195 milliseconds
Tracks Per Inch	804 TPI	Transfer Rate	5.0 megabits per second
Spacing, track to track	1.24 milinches	Maximum Flux Reversals Per Inch (FRPI)	13,810
Number Of Cylinders	615 data cylinders	Unformatted Recording Capacity Per Drive	25/42 megabytes
R/W Head Parking Cylinder	663	Unformatted Recording Capacity Per Surface	10.4 kilobytes
Number Of Tracks	2,460 tracks	Unformatted Recording Capacity Per Track	
Disk Speed	3,568 RPM $\pm 0.5$ percent		
Average Latency	8.41 milliseconds		
Motor Start Time	15 seconds, typical		
Seek Time, track to track	3 milliseconds		
Head Settling Time	15 milliseconds		
Average Trace Access Time, using buffered seek, including head settling time	80/50 milliseconds		

## FEATURES

### Power Requirements

Start Up: +12 volts D.C.  $\pm 5$  percent, 2.0 amperes maximum, not to exceed 10 seconds.  
+5 volts D.C. There is no surge current on the +5 volt D.C. line.

Running: +12 volts D.C.  $\pm 5$  percent, 0.8 ampere maximum, with no more than 100 millivolts Periodic and Random Deviation (PARD).  
+5 volts D.C.  $\pm 5$  percent 0.6 ampere maximum, with no more than 100 millivolts Periodic and Random Deviation.

### Power Dissipation

Power requirement at 5.0 volts and 12.0 volts is 10.0 watts typical.

### Power Sequencing

No power sequencing is required. The microprocessor starts the spindle motor when both voltages are present.

Specifications subject to change without notice.



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