

Year 2000 Compliance

Introduction

This application note details Year 2000 compliance status for UMD supplied products and details any "fixes".

Overview

Hardware

The issue of whether hardware supports the Year 2000 can be split into two separate items. First, the hardware needs to represent the year with 4 digits, and secondly the year must rollover from 1999 to 2000 properly.

Software

There are two methods for making software **Year 2000 ready**. The first is to change all date references to a 4 digit year. This is known as being Year 2000 **Enabled**. The second is to use a process known as windowing. A 100 year window is chosen and within that window the software knows which dates fall in the 20th century and which is in the 21th century. This is known as Year 2000 **Tolerant**. Both Year 2000 Enabled and Year 2000 Tolerant products are considered to be Year 2000 **Ready**.

UMD Year 2000 Compliance Status

The following table details Year 2000 Compliance status of UMD supplied products including links to additional notes and/or Year 2000 "fixes".

Manufacturer	Model/Type	Compliance Status	Comments
Anylable	Software	Yes	
Cherry	Keyboards	Not effected by Y2000 "bug"	
Citizen	POS Printers	Not effected by Y2000 "bug"	
Dallas Semiconductors	Touch Memory	TBA	
Denso	CCD BCR	Not effected by Y2000 "bug"	
	BHT/PDE	No but	Refer to Application Note 147 Denso BHT Series and Year 2000 Compliance.

Epson	POS Printers	Not effected by Y2000 "bug"	
IBM	4614 SureOne	Yes but..	Requires a minimum of BIOS level 6.17 to support Year 2000 compliance. This is available on IBM Web sites (refer Technical Support Page). Currently shipping units with higher BIOS level than this.
Keysource	Keyboards	Not effected by Y2000 "bug"	
KFC	9" monitors	Not effected by Y2000 "bug"	
Opticon	CCD BCR	Not effected by Y2000 "bug"	
PSC	Laser BCR	Not effected by Y2000 "bug"	
Siemens Nixdorf	Displays	Not effected by Y2000 "bug"	
	Printers	Not effected by Y2000 "bug"	
	SNIKey	Not effected by Y2000 "bug"	
	Beetle/20	TBA	
UMD	Model 120 series	Not effected by Y2000 "bug"	
	Model 150 series	Not effected by Y2000 "bug"	
	Model 160 series	Not effected by Y2000 "bug"	
	Model 210 series	Not effected by Y2000 "bug"	
	Model 220 series	Not effected by Y2000 "bug"	
	Model 230 series	Not effected by Y2000 "bug"	
	Model 250 series	Not effected by Y2000 "bug"	
	Model 260 series	Not effected by Y2000 "bug"	
	Model 280 seires	Not effected by Y2000 "bug"	
	Model 290 series	Not effected by Y2000 "bug"	
	Model 310 series	Not effected by Y2000 "bug"	
	Model 330 series	Not effected by Y2000 "bug" UNLESS it has RTC installed	Contact UMD for details
	Model 360 series	Not effected by Y2000 "bug"	
	Model 380 series	Not effected by Y2000 "bug"	
	Model 410 series	Not effected by Y2000 "bug"	
	Model 450 series	Not effected by Y2000 "bug"	
	Model 490 series	Not effected by Y2000 "bug"	
	Model 500 series	Yes	Uses Award BIOS
	Model S180 EFTLink (DOS)	Year 2000 compliant	
	Model S181 EFTLink (Win)	Year 2000 compliact	
Model S200 Gardgate	Year 2000 compliant	including custom interfaces	
Custom Software & Hardware	Year 2000 compliant	All UMD administered custom software and hardware development from 1 Jan 1997 is Y2000 compliant	