

A20m 11U/12U	A20m 21U/22U	A20m 31U/32U	A20m 41U/42U	A20p 61U/62U
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#### Supported OS Version

PC-DOS 7.0	No	No	No	No	No
PC-DOS 2000	No	No	No	No	No
MS-DOS 6.22	No	No	No	No	No
Windows 3.11	No	No	No	No	No
Windows for WG 3.11	No	No	No	No	No
Windows 95 (OSR1 - Win95 Retail + Service Pack 1)	Yes	Yes	Yes	Yes	Yes
Windows 95 (OSR2/2.1 - adds USB and new IE browser)	Yes	Yes	Yes	Yes	Yes
Windows 98	Yes	Yes	Yes	Yes	Yes
Windows 98 SE	Yes	Yes	Yes	Yes	Yes
Windows NT Workstation 3.51	No	No	No	No	No
Windows NT Workstation 4.0 Service Pack 3	Yes	Yes	Yes	Yes	Yes
Windows NT Workstation 4.0 Service Pack 4	Yes	Yes	Yes	Yes	Yes
Windows NT Workstation 4.0 Service Pack 5	Yes	Yes	Yes	Yes	Yes
Windows NT Workstation 4.0 Service Pack 6a	Yes	Yes	Yes	Yes	Yes
Windows 2000	Yes	Yes	Yes	Yes	Yes
OS/2 Warp 4.0	No	No	No	No	No

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#### System Utility (ThinkPad Features / Configuration)

	Version 4.18				
Utility Diskette for DOS Personalization	Version 4.18				
Utility Diskette for Win3.1	N/A	N/A	N/A	N/A	N/A
Utility Diskette for Win95	N/A	N/A	N/A	N/A	N/A
Utility Diskette for Win95/98	N/A	N/A	N/A	N/A	N/A
Utility Diskette for Win95/98/2000	Version 1.14a				
Utility Driver Disk for Win95	N/A	N/A	N/A	N/A	N/A
Win95 Supplement File Disk II	N/A	N/A	N/A	N/A	N/A
Win98 Supplement File Disk II	N/A	N/A	N/A	N/A	N/A
Utility Diskette for Win98 Disk I	N/A	N/A	N/A	N/A	N/A
Utility Diskette for Win98 Disk II	N/A	N/A	N/A	N/A	N/A
Utility Diskette for OS/2 Warp	N/A	N/A	N/A	N/A	N/A
Utility Diskette for WinNT	Version 4.17	Version 4.17	Version 4.17	Version 4.17	Version 4.18
Utility Data Diskette I	N/A	N/A	N/A	N/A	N/A
Utility Data Diskette II	N/A	N/A	N/A	N/A	N/A
Utility Data Diskette II	N/A	N/A	N/A	N/A	N/A
Utility Data Diskette I for Win95/98	N/A	N/A	N/A	N/A	N/A
Utility Data I for Win95/98/2000	N/A	N/A	N/A	N/A	N/A
Utility Data Diskette I for Win 98	N/A	N/A	N/A	N/A	N/A
Utility Data Diskette II for Win 98	N/A	N/A	N/A	N/A	N/A
Utility Data Diskette III for Win 98	N/A	N/A	N/A	N/A	N/A
Utility Data II for Win 95/98/2000	1.11	1.11	1.11	1.11	1.11
Utility Data II for WinNT4	1.04	1.04	1.04	1.04	1.04
IDE Driver Diskette	Version 1.05				
Utility Driver III for Win95/98 APM	Version 1.00				
OS/2 Warp Install Diskette I	N/A	N/A	N/A	N/A	N/A
OS/2 Warp Install Diskette II	N/A	N/A	N/A	N/A	N/A
Personalization Data Update Disk	N/A	N/A	N/A	N/A	N/A
Utility Features for Win95/98/NT4/2000	Version 1.00				
IBM PM Driver for Win2000	Version 1.10	Version 1.10	Version 1.10	Version 1.10	Version 1.11
On Screen Display for Win95/98/NT4/2000	Version 1.40.00				
Hibernation Utility for Standalone boot	Version 4.03A				
Hibernation Utility (Pdisk) for Win95/98/NT	Version 1.01.016				
SpeedStep Technology Applet	Version 1.10				
SpeedStep Technology Applet for OS/2	N/A	N/A	N/A	N/A	N/A

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**System Board**

Intel MMIO	No (uPGA)				
System Bus	PCI	PCI	PCI	PCI	PCI
HDD Interface	Enhanced IDE				
IO Port					
Serial	16550 Compatible				
Parallel	ECP/EPP	ECP/EPP	ECP/EPP	ECP/EPP	ECP/EPP
USB Controller	Intel 82371AB(PIIX4)				
BIOS All BIOS are AT-compatible	AT Compatible				
System BIOS Updates	Version 1.01	Version 1.01	Version 1.01	Version 1.02	Version 1.00
Model/Sub-model fixed with FC/01 for all systems	FC/01	FC/01	FC/01	FC/01	FC/01
Memory Map					
F0000-FFFF	BIOS	BIOS	BIOS	BIOS	BIOS
E0000-EFFFF	BIOS	BIOS	BIOS	BIOS	BIOS
D0000-DFFFF					
C7FFF-CFFFF	Video BIOS				
C0000-C7FFF	Video BIOS				
A0000-BFFFF	Video RAM				

**Memory**

Data Path	64-bit	64-bit	64-bit	64-bit	64-bit
Voltage	3.3V	3.3V	3.3V	3.3V	3.3V
Technology	SDRAM PC100				

**Battery**

Type	Li-Ion	Li-Ion	Li-Ion	Li-Ion	Li-Ion
Battery Installation Check Utility					

**LCD**

	12.1" TFT 800 x 600	12.1" TFT 800 x 600	15.0" TFT 1024x768	14.1" TFT 1024x768	15.0" 1400 x 1050
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**Docking**

<b>SelectaDock I / II / III</b>					
Diagnostic Diskette	N/A	N/A	N/A	N/A	N/A
<b>ThinkPad Dock</b>					
Diagnostic Diskette	N/A	N/A	N/A	N/A	N/A

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**Graphics**

Chipset	ATI Rage Mobility-M	ATI Rage Mobility-M1	ATI Rage Mobility-M1	ATI Rage Mobility-M	ATI Rage Mobility-128
VRAM/DRAM	4.0MB SGRAM	8.0MB SGRAM	8.0MB SGRAM	8.0MB SGRAM	16MB SGRAM
Graphics Data Path	64 bits				
NW Expansion	Yes	Yes	Yes	Yes	Yes
DPMS	Yes	Yes	Yes	Yes	Yes
Video BIOS					
LCD Display Modes (See below for VESA display modes.)					
VGA	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa101	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa111	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa112	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa102	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa103	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa114	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa115	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa104	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa105	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa117	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa118	60Hz	60Hz	60Hz	60Hz	60Hz
Vesa106	60Hz (*24)				
Vesa107	60Hz (*24)				
CRT Display Modes (See below for VESA display modes.)					
VGA	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa101	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa111	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa112	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa102	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa103	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa114	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa115	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa104	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz
Vesa105	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz
Vesa117	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz
Vesa118	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz	60/70/75/85Hz
Vesa106	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
Vesa107	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz	60/75/85Hz
*1 Win 3.11 Video Features	N/A	N/A	N/A	N/A	N/A
*1 Win 95 Video Features	N/A	N/A	N/A	N/A	N/A
*1 Win 95/98 Video Features	Version M6.10.111-T01	Version M6.10.111-T01	Version M6.10.111-T01	Version M6.10.111-T01	Version M6.30.4-T01
*1 OS/2 Warp 4.0 Video Features	N/A	N/A	N/A	N/A	N/A
*1 WinNT3.51 Video Features	N/A	N/A	N/A	N/A	N/A
*1 WinNT4.0 Video Features	Version M6.10.112-T01	Version M6.10.112-T01	Version M6.10.112-T01	Version M6.10.112-T01	Version M6.3.5-T01
Win2000 Video Features	Version M6.11.16-T01	Version M6.11.16-T01	Version M6.11.16-T01	Version M6.11.16-T01	Version M6.30.6-T01
LCD	800x600 256/64K/16M				
	N/A	N/A	N/A	N/A	1400x1050 256/64K/16M
	640x480 256/64K/16M				
	800x600 256/64K/16M				
	1024x768 256/64K/16M				
CRT	1280x1024 256/64K/16M				
	1600x1200 256	1600x1200 256	1600x1200 256	1600x1200 256/64K/16M	1600x1200 256/64K/16M

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**PCMCIA**

IBM PC Card Director utility						
Dos/Win	N/A	N/A	N/A	N/A	N/A	N/A
Win95	N/A	N/A	N/A	N/A	N/A	N/A
OS/2	N/A	N/A	N/A	N/A	N/A	N/A
WinNT *13	N/A	N/A	N/A	N/A	N/A	N/A
SystemSoft						
CardSoft for DOS						
CardWorks for Win3.1						
CardWizard for Win95						
CardWizard for WinNT						
PC Card Driver for Minimum DOS Support	Version 5.00.13m					
PC Card Driver for DOS	Version 1.00	Version 0.95				
Slot	Tll x 2 or Tlll x 1					
CardBus	Yes	Yes	Yes	Yes	Yes	Yes
ZV Port Enabled	Yes	Yes	Yes	Yes	Yes	Yes

**Audio**

Driver	CS4624B +CS4297A					
DOS/Win3.11	N/A	N/A	N/A	N/A	N/A	N/A
Win95	N/A	N/A	N/A	N/A	N/A	N/A
Win95/Win98	Version 4.11.2884					
Warp	N/A	N/A	N/A	N/A	N/A	N/A
WinNT	PS2081A	PS2081A	PS2081A	PS2081A	PS2081A	PS2081A
Voyetra AudioStation Disk for Win	N/A	N/A	N/A	N/A	N/A	N/A
Win2000	Version 5.12.01.3031					

**MIDI**

IF Driver	CS4624B +CS4297A					
DOS/Win	N/A	N/A	N/A	N/A	N/A	N/A
Win95	N/A	N/A	N/A	N/A	N/A	N/A
Win95/Win98	Version 4.11.2884					
Warp	N/A	N/A	N/A	N/A	N/A	N/A
WinNT	PS2081A	PS2081A	PS2081A	PS2081A	PS2081A	PS2081A
Win2000	Version 5.12.01.3031					

Wave Table Audio

DOS/Win  
Win95  
Warp  
WinNT

**Integrated Modem**

Drivers *6						
DOS/Win3.11	N/A	N/A	N/A	N/A	N/A	N/A
Win95	N/A	N/A	N/A	N/A	N/A	N/A
Win95 / 98	N/A	N/A	N/A	N/A	N/A	N/A
Win95 / 98 / NT	Version 5.74					
Warp	N/A	N/A	N/A	N/A	N/A	N/A
WinNT	N/A	N/A	N/A	N/A	N/A	N/A
Win2000	Version 5.74					
Speed	Up to 56Kbps					
VOD	No	No	No	No	No	No

**IR**

Win3.11/95/Warp Driver	NS97338	NS97338	NS97338	NS97338	NS97338	NS97338
HP Mode (115Kbps)	N/A	N/A	N/A	N/A	N/A	N/A
Sharp Mode (8600)	N/A	N/A	N/A	N/A	N/A	N/A
IBM Mode (1.15Mbps)	N/A	N/A	N/A	N/A	N/A	N/A
4Mbps	N/A	N/A	N/A	N/A	N/A	N/A
WinNT	N/A	N/A	N/A	N/A	N/A	N/A
Infrared Features Disk II	N/A	N/A	N/A	N/A	N/A	N/A
OS/2 Warp 4	N/A	N/A	N/A	N/A	N/A	N/A

**CD-ROM**

Driver						
Dos/Win	Version 3.12					
Win95	N/A	N/A	N/A	N/A	N/A	N/A
Warp	N/A	N/A	N/A	N/A	N/A	N/A
WinNT	N/A	N/A	N/A	N/A	N/A	N/A
Speed	24X-10X	24X-10X	24X-10X	24X-10X	24X-10X	N/A

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#### DVD ROM

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Driver	DVD-Video Player for Win 95/98	Version 5.00.00.40	Version 5.00.00.40	Version 5.00.00.40	Version 5.00.00.40
Speed		N/A	N/A	N/A	6x
MPEG 2 Support		N/A	N/A	N/A	N/A
Features	DOS Win3.11 Microsoft Win32s Setup Win95  Warp WinNT				
MMPM2 MPEG Update for OS/2					
Video CD Player	DOS Win3.11 Win95 Warp WinNT				
Video Capture Driver	Win95 Win98 WinNT 4.0				
DVD Player	DOS Win3.11 Win95 Warp WinNT DVD Movie for Win95 DVD Movie Region for Win95				
MPEG-1 (Hardware assisted)					
MPEG-2 HHR NTSC					
MPEG-2 HHR PAL					
MPEG-2 (Full)					
Dolby digital audio with AC-3 support					

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**Enhanced Video**

Driver	A20m 11U/12U	A20m 21U/22U	A20m 31U/32U	A20m 41U/42U	A20p 61U/62U
DOS	N/A	N/A	N/A	N/A	N/A
Win3.11					
Win95					
Warp					
WinNT					
Overlay					
Acceleration					
TV Out (NTSC/PAL)					

**TrackPoint**

Driver	A20m 11U/12U	A20m 21U/22U	A20m 31U/32U	A20m 41U/42U	A20p 61U/62U
Win95/WinNT	N/A	N/A	N/A	N/A	N/A
Warp	N/A	N/A	N/A	N/A	N/A
Win98/ Win95/ WinNT	Version 2.00				

**Systems Mgmt**

LANDesk Client Manager Driver  
 Disk II for OS/2  
 Win95  
 WinNT  
 Disk II for Win95/98/NT

**Mini PCI**

Intel Pro/100 Mini PCI Ethernet					
DOS, Win95/98/NT/4/2000	Version 3.5 Build 10986				
Xircom MPC+ Modem 56 WinGlobal					
Win95/98/NT4	Version 1.73.5.2A				
Win2000	Version 1.73.5.2A				
3COM Mini-PCI 56K Modem					
Win95/98	Version 2.28.032.0066				
WinNT4	Version 1.28.032.0066				
Win2000	Version 3.28.032.0066				
3COM 10/100 Ethernet					
DOS, Win95/98/NT/4/2000	NDIS3 1.4.3000.1, NDIS4 1.10.09, NDIS5 1.10.09				

**CMD**

CMD Ultra DMA IDE					
DOS, Win95/98/NT/4/2000	Version 1.00				
OS/2 Warp 4	N/A	N/A	N/A	N/A	N/A

**Notes:**

- \*1 Applications will recognize video mode as 16M color modes. However, 256K color will show on the panel due to TFT LCD panel design.
- \*2 1280x1024 16 with WinNT
- \*3 IBM PC Card Director utility not included on 760XD/XL preload for Win95 or WinNT
- \*4 Bottom slot only
- \*5 No driver available. Requires native MIDI support from the OS.
- \*6 National Language versions available outside US
- \*7 DOS/Win3.1 and WinOS2 only. Native Win95 driver.
- \*8 WinNT 4.0 only
- \*9 Thick models only are CD capable
- \*10 Optional for non-CDROM models
- \*11 Optional external CD-ROM drive with vendor-provided driver
- \*12 WinNT 3.51 only. CDROM support comes with WinNT 4.0.
- \*13 WinNT provides native support. WinNT 4.0 PC Card Director Version 1.00 available for download from the Internet.
- \*14 Cardbus enabled under Windows 95
- \*15 Optional
- \*16 Requires DVD drive
- \*17 Available with 4MB VRAM
- \*18 Not available with 3D Graphics
- \*19 16M not available with 3D Graphics
- \*20 UltraPortable Utility Diskette
- \*21 Video Features Diskette I for OS/2
- \*22 Modem is available on 21U, 41U, 51U, A1U, 45U, 55U, 85U. Not available on 31U
- \*23 Available only on 13.0" HPA, and 13.3" TFT
- \*24 Display with panning

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**Reference Information:**  
**VESA Display Modes**

Mode
101
111
112
102
103
114
115
104
105
117
118 (55U only)
106
107

**Notes**

This spreadsheet should be used as a reference tool only.  
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