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|---|---|
| **IBM® ThinkPad®:** | **380E**<br>12.1" SVGA FRSTN |
| Processor type | **Pentium® MMX 150/60 MHz** / 64 bit transfer to L2 cache / 64 bit transfer to memory |
| Processor upgrade | None |
| L2 cache | **256 KB** / write-through / direct mapped / 8 ns / synchronous pipelined burst |
| Diskette drive | Internal 3.5" 1.44 MB / on right side |
| External FDD port | None since diskette internal |
| CD-ROM | None standard / internal 8 x CD-ROM option available (not customer install) |

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|---|---|---|
| Type - model (code) | **2635-40U** | **All-in-one integration means the disk,** |
| Preload (see side) | **Windows 95 OSR2** | **diskette drive, and CD-ROM are all within** |
| Avail / withdrawn date | September 1997 / July 1997 | **the covers of the notebook;** |
| Disk - size / ms | **2.1 GB** / 13 ms / PIO Mode 4 | **keyboard does not lift up** |
| Disk controller | EIDE / PCI 2.1 / supports one internal disk / no DMA or busmaster support / not removable / upgrade only by IBM or dealer | |

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|---|---|
| Display - size and type | **12.1 inch FRSTN color** |
| Display - techology | **SVGA** / 640 x 480 or 800 x 600 |
| | **Dual scan** / Fast Response Super Twisted Nematic (FRSTN) / 150 ms / 70 nits |
| | 65,536 simultaneous colors / 35 to 1 contrast ratio |
| Graphics - controller | **NeoMagic™ MagicGraph128ZV™** (NM2093) /128 bit SVGA accelerator / Zoomed Video support / DDC1 and DDC2B |
| | 1.125 MB / iDRAM™ (embedded) / color space conversion and interpolation in X and Y axis / support for DCI, DirectDraw |
| Graph - arch/data path | PCI 2.1 / 32 bit / external SVGA to 1024 x 768 with 256 colors |
| Graphics - features | Simultaneous LCD and CRT / 150 degree tilt |
| Memory - std / max | **16 MB** / 80 MB / non-parity / 3.3 volt / EDO |
| Memory - features | 1 socket for one JEDEC 144 pin EDO SO DIMM of 8, 16, 32, or 64 MB / socket accessed from bottom via screw |

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|---|---|
| Keyboard / # of keys | Full size alp/num / 85 (6 Fn key functions) / keyboard slope with Port Replicator |
| External keyboard | External keyboard support with option cable 06G8619 or Port Replicator |
| Pointing / palm rest | TrackPoint III™ / no drag lock keys |
| Dimensions | 11.8 x 9.2 x 2.4" (260 cubic inches) |
| Weight | 6.7 pounds (3.0 kg) |
| Battery - type / life | NiMH / non-intelligent / 2.0 hrs |
| Charge time - on / off | 3.5 to 10 hrs / 2.8 hrs |
| Architecture | PCI 2.1 / 32 bit / 33 Mhz (EIDE, graphics, PCMCIA, Port Replicator) |
| | ISA (audio, diskette, serial, parallel, infrared) |
| | Intel® Mobile Triton 82430 PCIset / Intel 82371MX PIIX / NS PC87338 |
| Docking Station | None |
| Port replicator | ① ThinkPad Enhanced Port Replicator, ② ThinkPad 560 Port Replicator, |
| | ③ ThinkPad Enhanced Port Replicator |
| PCMCIA™ slots | 2 Type I or 2 Type II or 1 Type III / **Zoomed Video support in lower slot** / |
| | PCMCIA 2.1 compatible / PC Card Standard 95 / Cirrus Logic CL-PD6729 (PCI) |
| Serial / parallel ports | One 9 pin; 16550A / one (IEEE P1284-A, EPP, ECP, bidirectional) |
| Other features | APM-aware BIOS / Universal AC adapter; barrel (35 or 56 watts) |

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|---|---|
| Video in/out | None |
| MPEG decoder | None (software support for MPEG-1 in Windows 95) |
| Data/fax modem | None |
| Audio support | **16 bit audio chip /** 20 voice MIDI FM Synthesis / CS4236B |
| | One internal speaker / .5 watt / dial volume control / int mic / full duplex spk/mic |
| Audio in/out jacks | Input/microphone jack (stereo) / output jack (stereo) / no joystick port |
| Infrared ports | **Infrared port on left side / IrDA 1.1 compatible / up to 4 Mbps** |
| Security | Power-on password / Hard disk password / security keyhole / personalization |
| Preinstalled software | Microsoft Windows 95 OSR2 wth applications (listed on right) |
| Warranty | **1 year** - ThinkPad EasyServ (depot repair service) or carry-in |
| Service options | On-site, M-F, 8-5, next bus day (71 cities) / warranty extension to 3 or 5 years |

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|---|---|---|
| Fn + F2 | = | Battery guage |
| Fn + F3 | = | Standby |
| Fn + F4 | = | Suspend |
| Fn + F7 | = | LCD/CRT/Simultaneous |
| Fn + F11 | = | Power mgmt |
| Fn + F12 | = | Hibernation |

Easy-Setup is entered by holding F1 when turning on.

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|---|---|---|
| 1.08 GB | = | DMA Mode 2 or PIO Mode 4 |
| 1.35 GB | = | DMA Mode 2 or PIO Mode 4 |
| 2.1 GB | = | DMA Mode 2 or PIO Mode 4 |
| 3.0 GB | = | DMA Mode 2 or PIO Mode 4 |
| 5.1 GB | = | Ultra DMA/33 or PIO Mode 4 |

The **ThinkPad Enhanced Port Replicator** provide cable management, additional I/O ports, and CardBus PC Card slots. Features include:

- Dual IBM lock slots to secure the ThinkPad 380, PC Cards, and Port Replicator

Port Replicator connectors:
- USB
- Serial (9 pin); parallel (EPP, ECP, 25 pin)
- External display (15 pin)
- Keyboard
- Mouse
- Audio in (3.5 mm)
- Audio out (3.5 mm)
- Joystick/MIDI port (15 pin) - not on system
- External diskette drive conntr - not on system
- Power connector (requires AC power; can not run on battery)

Features of the PC Card slots:
- Two Type III slots (side by side)
- PC Card Standard 95 compliant
- CardBus compliant (PCI 2.1 / 32 bit)
- 8/16 bit PC Card support (no Zoomed Video)
- Texas Instruments PCI1131 controller
- Requires no PCI-to-PCI bridge

**OPTIONS**

| | |
|---|---|
| **- 8 MB SO DIMM 3.3v NP EDO 64 bit** | **92G7340** |
| **- 16 MB SO DIMM 3.3v NP EDO 64 bit** | **92G7341** |
| **- 16 MB SO DIMM NP EDO 64 bit (new)** | **01K1124** |
| **- 32 MB SO DIMM 3.3v NP EDO 64 bit** | **92G7342** |
| **- 64 MB SO DIMM 3.3v NP EDO 64 bit** | **76H0268** |
| - ThinkPad 560 Port Replicator | 46H4209 |
| - ThinkPad 380/385 Port Replicator | 84G1316 |
| - ThinkPad Enhanced Port Replicator | 11J8997 |
| - ThinkPad 380/385 Li-Ion Battery (old) | 73H9793 |
| - ThinkPad 380/385 Li-Ion Battery | 02K6507 |
| - 35 watt AC Adapter (barrel, slim) | 76H0139 |
| - 56 watt AC Adapter (barrel; 3 prong) | 83H6739 |
| - 8 x CD-ROM | 73H9795 |
| - 2.1 GB Disk 13 ms | 73H9797 |
| - 3.2 GB Disk 13 ms | 02K0487 |
| - 5.1 GB Disk 12 ms | 02K0506 |
| - 33.6 Kbps Modem with XJACK | 55H6759 |
| - 56K PC Card Modem Kit | 04K0052 |
| - 56K PC Card Modem/Cellular Capable | 02K4196 |

**FEATURES OF 380 MODELS**

Quick Setup Guide
System Status Indicators
Plug and Play 1.0a
Standby, suspend, safe suspend (RediSafe), and hibernation modes
US EPA Energy Star compliant
Personalization screen at startup
**International Warranty Service**
**IBM SystemXtra Program**
**24 hour / 7 day telephone, bulletin board, fax, electronic, and Internet (http://www.pc.ibm.com) support**
**IBM and dealer warranty/service**
**Online Housecall (remote diagnostics)**