IBM ThinkPad Power Series 850 - withdrawn

IBM® ThinkPad®: ✂ **850**
PowerPC - TFT color - CD-ROM - Video Card

Processor type	**Power PC 603e** / 100/66 MHz / 32 KB L1 cache
L2 cache	256 KB / write back / direct mapped / 64 bit transfers
Processor / L2 upgrade	None
Removable diskette	Internal or external 3.5" 1.44 MB ◯ / external diskette drive connector. Can use diskette and CD-ROM simultaneously as diskette drive ships with an external case with cable
Removable CD-ROM	**5.25" CD-ROM ◯** / double speed / multi-session / XA / SCSI-2 / bootable. The middle bay supports either the standard diskette drive or standard CD-ROM
Type - model	6042-xxx (listed below)
Available date	July 1995 or later (listed below)
Disk controller	SCSI-2 Fast (for disk, CD-ROM) / external SCSI-2 50 pin connector
Removable disk - size	*Choice:* **540 MB** 14 ms ❑ ◯ / **810 MB** 14 ms ❑ ◯ / **1.2 GB** 12 ms ◯
Display - type	*Choice:* Color 640 x 480 or Color 800 x 600 (listed below)
Display - techology	**Black Matrix TFT - active matrix** / up to 65,536 simultaneous colors
Display - diagonal size	10.4 inch / 100 to 1 contrast ratio for 640 x 480 / 110 to 1 for 800 x 600
Graphics - controller	WD90C24A Rev C with 1 MB DRAM (called G10 Graphics Adapter)
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 w/ 256 colors (up to 75 Hz)
Graph - arch/data path	PCI 2.0 / 32 bit / Simultaneous LCD and CRT / 180 degree tilt
Video function	**Video acceleration / composite in/out** (called G10 Graphics with Motion Video)
Video camera	*Option:* CCD camera on top of LCD / NTSC / white balance, iris, lens focus
Memory - std / max	16 or 32 MB / 80 to 96 MB 70 ns / **parity** / 5 volt / 64 bit transfers
Mem - sockets	Standard: 2 SO DIMMs in 2 SO DIMM sockets; available: 2 IC DRAM sockets
Mem-options available	4, 8, 16, 32 MB IC DRAMs / must be installed in matched pairs
Keyboard / # of keys	Full size alp/num / 84 (no Fn key)
Keyboard slope	Yes (legs pop out) / **palm rest space**
Mouse/pointing	**TrackPoint III™**
Ext keyboard support	Yes (with option cable)
Dimensions	11.7 x 10.2 x 2.4" (286 cubic inches)
Color	Black
Weight (with battery)	7.96 pounds (with CD-ROM)
Battery - type	Nickel hydride (NiMH) / Intelligent
Battery - life	2 to 5 hours
Charge time - on / off	2 hrs / 1.5 hrs
Architecture	PCI 2.0 / 32 bit / 33 MHz / 5 volt (SCSI, motion video). ISA (audio, PCMCIA, diskette, serial, parallel, 120-pin external expansion). VL-Bus 2.0 / 32 bit (graphics via PCI-to-VL Bridge)
Docking Station	None
Port replicator	None
PCMCIA™ 2.1 slots	**2 Type I or 2 Type II or 1 Type III**
Serial / parallel ports	One 9 pin; 16550A / Enhanced Parallel Port (EPP and IEEE 1284)
Other features	Universal AC adapter, 50 watts, not wallmount / Drive Startup Sequence
Data/fax modem	None (use PCMCIA) / voice-over-data using industry standard modems
Audio support	**CD quality audio (44.1 kHz, 16 bit, stereo)** / Crystal Semiconductor™ CS4231. Internal stereo speakers (1 watt each) / dial volume control. Internal microphone / IBM Personal Microphone (earphone and headset)
Audio in/out jacks	Input jack / output jack / line in / line out (all 3.5 mm)
Infrared ports	None
Security	Power-on password / Supervisor password / Hardware security loop (locking lever) / Keyboard lock / Locking device keyhole (Kensington™ MicroSaver™ cable lock) / PCMCIA card lock
Preinstalled software	*Choice:* none or select a supported operating system (listed below)
Warranty	**3 year** - ThinkPad EasyServ
Warranty options	ThinkPad EasyServ Overnight Repair Option

Easy-Setup is entered by holding F1 when power on

ALL 850 MODELS
Liftable (pop-up) keyboard to access and remove CD-ROM, diskette drive, disk, and memory
(Battery removed from side)

ThinkPad Power Series 850 strengths:
⇨ **PowerPC performance**
⇨ **Collaborative and conversational computing**
⇨ **Removable, double speed, 5.25" CD-ROM**
⇨ **Video card (acceleration, composite video)**
⇨ **Optional top mounted video camera**

Operating System Preloads:
① IBM AIX Version 4 for Clients 4.1.3
  - Ultimedia Services Ver 2.1.2
  - Insignia SoftWindows Ver 1.1
  - Speech Dictation
  - Personal Conferencing for AIX on CD
  - Essentials! (catalogs and support)
  - Power, Performance, Potential multimedia presentation
  - CD-ROMs included: Program Pack, AIX backup, Pers Conferencing for AIX
  - Black 3 button mouse
② Microsoft Windows NT 3.51 Workstation
  - Essentials! (catalogs and support)
  - Power, Performance, Potential presenta
  - Compuserve WinCIM Power Series Ed
  - Introducing ThinkPad Power Series 850
  - CD-ROMs included: Program Pack, NT backup
③ No preloaded operating system
  - CD-ROMs included: Program Pack, Personal Conferencing for AIX
④ IBM OS/2 Warp Connect (when available)
⑤ Solaris (when available)

G10 Graphics with Motion Video provides:
- **Acceleration** of motion video with scaling (no interpolation) of image. Video may be scaled up to full screen without frame rate degradation
- **Composite in** (from camcorder, TV, VCR) for video capture (capture and digitize video), still image capture (capture and digitize still photo images), and overlay (view video on LCD without capturing it to disk). Uses NTSC or PAL
- **Composite out** (to camcorder, TV, VCR) in NTSC. So can use TV as an external display or record the contents of the screen to VCR
- ThinkPad 850 includes in/out RCA jacks on the back of the system

Options for ThinkPad Power Series 850:
- Disks: 540 MB SCSI-2   30H1388
        810 MB SCSI-2   30H1392
        1.2 GB SCSI-2   30H1467
- AC Adapter 50 watts   30H1403
- **Video Camera (NTSC)**   **85G2715**
- 850 NiMH Battery Pack   85G2671
- 850 Quick Charger   85G2662
- IBM Personal Microphone   12H1504
- 4 MB IC DRAM 70ns 5v parity   92G7238
- 8 MB IC DRAM 70ns 5v parity   92G7241
- 16 MB IC DRAM 70ns 5v parity 92G7234
- 32 MB IC DRAM 70ns 5v parity 92G7235

FEATURES OF 850 MODELS
Battery life and other indicators
Non-disruptive battery exchange
Suspend mode
US EPA Energy Star compliant
Personalized nameplate in molded indention
Compatible with PowerPC Reference Platform™ Specifications (PReP) v1.1
3 year warranty
International Warranty Service
24 hour / 7 day telephone, bulletin board, fax, and electronic support
IBM warranty/service
30 day money back guarantee

Type-Model	Part	Mem	Disk	LCD	Graphics	Op Sys	Price	Avail
✂ 6042-9CD	29H8170	32 MB	1.2 GB	800x600	G10 w/ Motion	None	$ 8,999	Aug 95
✂ 6042-9DD	29H8171	32 MB	1.2 GB	800x600	G10 w/ Motion	AIX	9,849	Aug 95
✂ 6042-9ED	29H8173	32 MB	1.2 GB	800x600	G10 w/ Motion	NT	9,299	Aug 95
✂ 6042-96D	29H8196	32 MB	810 MB	800x600	G10 w/ Motion	None	8,549	Jul 95
✂ 6042-97D	29H8197	32 MB	810 MB	800x600	G10 w/ Motion	AIX	9,399	Jul 95
✂ 6042-98D	29H8199	32 MB	810 MB	800x600	G10 w/ Motion	NT	8,849	Jul 95
✂ 6042-967	29H8175	32 MB	810 MB	640x480	G10 w/ Motion	None	8,149	Jul 95
✂ 6042-977	29H8176	32 MB	810 MB	640x480	G10 w/ Motion	AIX	8,999	Jul 95
✂ 6042-987	29H8178	32 MB	810 MB	640x480	G10 w/ Motion	NT	8,449	Jul 95
✂ 6042-906	29H8180	16 MB	540 MB	640x480	G10 w/ Motion	None	6,669	Jul 95
✂ 6042-926	29H8182	16 MB	540 MB	640x480	G10 w/ Motion	NT	6,999	Jul 95

Compatible in 820 and 850: ① Disks, ② CD-ROM, ③ AC Adapter

ThinkPad EasyServ™: customer calls 1-800-772-2227, courier service picks up ThinkPad at any location, IBM repairs and mails back (no shipping charges, most shipping is overnight, 3 business day average turnaround). Overnight repair option in US available for $99.
❑ = Upgradeable; ◯ = Removable; ✂ = Withdrawn effective March 20, 1996