IBM ThinkPad 345 (non-US) - withdrawn

IBM® ThinkPad®:	✄ **345CS** dual scan color		✄ **345C** TFT color		**ThinkPad 345 is a fast, lightweight, full function, TFT or dual scan color notebook at a very attractive price point**
Processor type	**IntelDX4**				➪ **Entry priced ThinkPad**
Processor speed	**75/25 MHz** / 3.3 volt				➪ **Large color 10.4" dual scan or TFT display**
Memory cache	16 KB internal (no L2 cache)				➪ **Fast IntelDX4 75/25 MHz**
Coprocessor socket	Integrated in DX4				➪ **Lightweight (5.2 or 5.5 pounds)**
Processor / L2 upgrade	None				➪ **TrackPoint III**
Diskette drive	3.5" 1.44 MB (not removable)				
Removable CD-ROM	None				

Price	$	$	$	$	
Type - model	2610-EYF	2610-EYG	2610-FYF	2610-FYG	
IDE disk - size	**360 MB**	**540 MB**	**360 MB**	**540 MB**	
Hard drive - speed	13 ms	13 ms	13 ms	13 ms	
Avail / withdrawn date	Sep 1995 / Jan 1996		Sep 1995 / Apr 1996		

Display - type	**VGA color** / 640 x 480	**VGA color** / 640 x 480	
Display - colors	256 simultaneous colors	256 simultaneous colors	
Display - techology	**Dual Scan** - passive matrix	**Black Matrix TFT - active matrix**	
Display - diagonal size	**10.4 inch**	**10.4 inch**	
Display - contrast ratio	20 to 1	100 to 1	
180 degree display tilt	Yes	Yes	

Graphics - controller	WD90C24A Rev C with 1 MB DRAM
Graphics - vendor	Western Digital / External SVGA to 1024 x 768 with 256 colors (up to 60 Hz)
Graph - arch/data path	VL-Bus local bus / 32 bit / Simultaneous LCD and CRT

Memory - std / max	4 MB / 20 MB 70 ns / non-parity / 5 volt	Memory upgraded via
Mem - sockets empty	1 socket	1 open socket for IC DRAM
Mem - options available	4, 8, 16 MB IC DRAM	memory card for 20 MB max

Keyboard / # of keys	Full size alp/num / 85 keys / quiet keyboard
Fn key functions	7 (in any appl)
Keyboard slope	None
Mouse/pointing	**TrackPoint III**™ (no drag lock)
Ext keyboard support	Yes (with optional cable)

Dimensions	11.7 x 8.3 x 1.9"	11.7 x 8.3 x 2.0"
Cubic inches	184 inches	194 inches
Color	Black	Black
Weight (with battery)	5.2 pounds	5.5 pounds

PREINSTALLED APPLICATIONS

- IBM PC DOS 7.0
- Windows 3.11
- IBM PC Card Director for PCMCIA
- IBM ThinkPad Demo
- ThinkPad features; Diskette Factory
1. Lotus® cc:Mail, for the IBM Global® network,
2. Lotus Organizer 1.12
3. Lotus ScreenCam 1.0,
4. Triton CoSession™ Host,
5. PRODIGY®,
6. SofNet FaxWorks™ 3.0
7. AlphaNet™ FollowFax™
8. Sedona REPRINT™
9. Video for Windows™ 1.1 Runtime

Battery - type	Nickel hydride (NiMH) / non-intelligent	Fn key functions:
Batt - life (per battery)	2.5 to 5 hours	- Fuel guage (battery)
Charge time - on / off	2 hrs / 1.5 hr	- Standby mode
Architecture	AT bus (ISA)	- Suspend mode
Docking Station	None	- Audio volume
Port replicator	None	- LCD or CRT or both
PCMCIA™ 2.1 slots	1 Type I or 1 Type II or 1 Type III	- Power management mode
Serial / parallel ports	Yes (one 9 pin) 16550A / Yes (EPP)	- Hibernation mode

Other features	APM-aware BIOS / Selectable boot
	AC adapter, 35 watts, worldwide, 3 pin, not wallmount
Audio support	Audio beep only
Security	Power-on password
	Locking device keyhole (Kensington™ MicroSaver™ cablelock)

Preinstalled software	IBM DOS 7.0, Windows™ 3.11, and all appls listed to right:
Warranty	1 year - ThinkPad EasyServ only
Warranty options	None

The ThinkPad 345 family has the same physical design as the ThinkPad 340

PC Card Director™ (EasyPlaying) is preinstalled and on the utility diskette for DOS, Windows and OS/2. It provides:
① automatic config of many PCMCIA cards;
② visual/audible confirmation of insertion/ removal of cards;
③ ability to automatically launch an appl (e.g. async emulation) when card inserted;
④ status and info on PCMCIA cards installed.

Easy-Setup is entered by holding F1 when turning on. Easy-Setup, BIOS, and diagnostics are located in flash memory.

Hard disk and diskette drive are not removable. Keyboard does not lift up.

Options for 345:

- 4 MB IC DRAM 70 ns Parity   92G7232
- 8 MB IC DRAM 70 ns Parity   92G7233
- 16 MB IC DRAM 70 ns Parity   92G7234
- 4 MB IC DRAM 70 ns non-Parity 92G7236
- 8 MB IC DRAM 70 ns non-Parity 92G7237
- 16 MB IC DRAM 70 ns non-Parity 92G7424

- NiMH Battery Pack (Worldwide)   85G7637
- NiMH Battery Pack (Japan)   95G7638
- NiMH Battery Pack (EMEA)   85G7605
- 35 watt AC Adapter (Worldwide) 85G6680
- 35 watt AC Adapter (Japan)   85G6682
- 35 watt AC Adapter (EMEA)   85G6683

IC DRAM parity memory from the above options will work but without parity

FEATURES OF 345 FAMILY

3 power saving modes: standby, suspend, and hibernation
Personalized nameplate in molded indentation
Battery life indicator
Non-disruptive battery exchange
US EPA Energy Star compliant

HELPWARE

International Warranty Service
24 hour / 7 day telephone, bulletin board, fax, and electronic support
IBM or dealer warranty/service
Online Housecall (remote diagnostics)
30 day money back guarantee

ThinkPad EasyServ™: customer calls 1-800-565-3344 in Canada, 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).
❑ = Upgradeable;   ◯ = Removable;   ✄ = Withdrawn from marketing

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