

IBM

ThinkPad 700 and 720 Family

Use them wherever you think best



The notebook that's ready to go on the road and on the job

ThinkPad Models 700, 700C and the new 720, 720C

One look at the sculpted black case of an IBM ThinkPad® notebook computer—a monochrome 700/720 or a color 700C/720C—tells you you're onto something special. Somehow, you know immediately that it's been built to an entirely different standard—a higher set of expectations. And you haven't even opened the lid.

Sit down, open it up, turn it on. We think you'll agree that this IBM ThinkPad is quite simply the finest notebook computer in its class.

ThinkPad 720 and 720C: Building on advanced 700/700C technology

The new ThinkPad 720 and 720C significantly enhance and extend the ground-breaking technology that made the award-winning 700 models an instant market success.

With your 720/720C, you have the advantage of *plug-in expansion capabilities* via a built-in PCMCIA (Personal Computer Memory Card International Association) card slot; a *standard dual-speed 50/25 MHz 486SLC2 processor*; and *expanded removable hard-disk capacity* for your most demanding applications. And with the 720C, you get *20 percent longer battery life* than with the 700C.

The 720 and 720C come with every standard 700/700C feature: 4MB of memory (upgradable to 16MB); preloaded software; removable hard disk drives; stunningly large screens with superior readability; full-size keyboards with IBM's revolutionary TrackPoint II™ pointing device; a wide range of upgrade and expansion options—plus the kind of service and support you've come to expect from IBM. Its light weight—6.5 lbs. (monochrome) or 7.6 lbs. (color)—also makes a 700/720 family notebook the perfect traveling companion.

Unmatched display quality

The first thing you notice about our 700C and 720C color models are their superb 10.4-inch color Thin Film Transistor (TFT) active-matrix LCD displays—the largest to be found on any notebook. The letters are bigger than you expected, the colors richer. Plus, everything displayed on the screen is dazzlingly crisp and clear.

Your most important business presentations will be more impressive than ever when delivered on the high-quality 700C/720C screen. Long hours spent looking at lengthy spreadsheets and sophisticated graphics will be less of a strain. And there's absolutely no screen flicker—something you often encounter with less-stable, lower-quality displays.

Our superior 9.5-inch monochrome 700/720 screens are also very easy on the eyes. They can deliver

64 shades of gray, and their excellent contrast ratio provides an unusually bright and sharp screen image—ideally suited to the full range of business and text-based applications.

TrackPoint II: Integrated fingertip control

You'll probably set your mouse aside after you use our TrackPoint II pointing device. This ingenious eraser-size control is integrated right onto the keyboard (saving valuable desk space), with the "click" buttons conveniently located beneath the space bar. Whether you are right-handed or left-handed, you simply extend your index finger to move the cursor where you like. Your hands never have to leave the keyboard—and you don't have to worry about leaving your mouse behind on your next business trip.

System status indicators



- A. Speaker
- B. Battery power status
- C. Battery charging
- D. PCMCIA slot in use (720/720C only)
- E. Diskette drive in use
- F. Hard disk in use
- G. Numeric lock
- H. Caps lock
- I. Scroll lock
- J. Suspend mode
- K. Power on



- PCMCIA slot (720/720C only)
- Speaker volume
- Reverse video switch for mono
- Integrated TrackPoint II
- Diskette drive

Illustration of Model 700C

720/720C: More power to you – more flexibility for the future

Install your favorite software on a new 720 or 720C and you notice right away that your screens scroll and change far faster than on other notebooks. That's because a high-performance IBM 486SLC2 micro-processor running at 50/25 MHz is standard (and optional on the 700/700C).

A closer look reveals a number of other exciting new features that not only put the ThinkPad at the head of the pack today, but also put you in the driver's seat for the future – with added flexibility and growth options that will help protect and extend your investment.



A built-in PCMCIA slot can accommodate two Type II cards or one Type III card.



The new 720 models allow for external communications via easy hook-up.

PCMCIA and the 720/720C: Flexible, plug-in growth

Industry-standard PCMCIA cards – rugged, lightweight and power-efficient – now make it possible to add a growing range of plug-in capabilities to both desktop and portable computer systems like the ThinkPad 720 and 720C!

These new notebooks let you take full advantage of everything PCMCIA has to offer. While many competitive units support one Type II PCMCIA card, the 720 and 720C models go one step further. A built-in PCMCIA slot can accommodate either two Type II cards today or one Type III card tomorrow – safeguarding and leveraging your investment when this next generation of PCMCIA cards becomes generally available.

We already offer a variety of PCMCIA cards for the 720/720C – data/fax modem, high-speed data/fax modem, Token Ring, Ethernet® and 3270 communications adapters – with more on the way.

Greater removable hard-disk capacity

The new ThinkPad 720 and 720C come standard with a larger 160MB hard disk to accommodate more of your software and the requirements of data-intensive applications. There is also a 720 model that comes standard with a 120MB HDD. (160MB HDD is optional for the 700/700C). And because all ThinkPads are equipped with removable hard disks, you get maximum storage capacity – and the flexibility to conveniently maintain separate hard disks for different purposes or different people.



Removable hard disks are standard – giving you maximum storage capacity, flexibility and security.

Industry-standard PCMCIA cards – rugged, lightweight and power-efficient – allow you to connect to both host and LAN systems.



Easy external expansion options

IBM offers two simple ways to get the best of both computing worlds – portable and desktop – with your 720 or 720C notebook computer. Choose our half-slot Expansion Cartridge for trouble-free network connectivity. Or, if you need added capabilities, our high-security 3550 Expansion Unit delivers simple docking, two full slots, an additional storage bay and SCSI on the planar. Use this SCSI port to add up to 7 SCSI devices (e.g., rewritable optical disk, CD-ROM, hard disks, etc.) to your 720/720C system. These same expansion options are also available for the 700 and 700C.

Port replicator: Enhanced 720/720C removability and usability

A port replicator option now makes it easier for you to take your ThinkPad 720 or 720C computer on the road – and bring it back to the office. With

the replicator – also an option with the 700 and 700C models – you'll no longer have to continually connect and disconnect your printer and other peripheral devices every time you want to move your computer. They stay attached while you and your computer are free to come and go as you please.

And while you're gone, your ThinkPad 720C's NiMH batteries will give you up to 4.8 hours (up to 7.5 hours with the 720) of use in a typical work-day environment. That's 20 percent longer than the 700C. NiMH batteries with power status indicators are optionally available for the entire 700/720 family to help you more easily verify remaining battery life.

World-class service and support

Unlike most of our competition, we back all our ThinkPad 700 and 720 models with a three-year, carry-in international warranty.² It's all part of HelpWare,[®] which also includes ThinkPad EasyServ,[™] our convenient new courier service. With ThinkPad EasyServ, a courier picks up the

machine at your location, delivers it directly to an IBM-designated repair facility and returns the repaired unit to you. There are no shipping charges. Apart from these service options that come *standard* with our warranty, you can also purchase, for a nominal fee, on-site warranty service that provides four-hour average, same-day response on all service requests.

What's more, HelpWare assures you of 24-hour, seven-days-a-week telephone assistance, automated fax and bulletin board services.

And that's not all. A 30-day, money-back guarantee helps ensure your satisfaction. Plus, our trade-in program makes it easy to replace your current system – even if it's *not* an IBM personal computer. For qualified commercial customers, we offer the IBM Credit Lease. And for individualized training, you can contact any one of our IBM Licensed Education Centers.

Features

Big, bright screen	<ul style="list-style-type: none">• Has an extra-large, 10.4-inch diagonal active matrix display with dazzling colors – 100:1 contrast ratio (700C/720C)• Has large 9.5-inch monochrome display with excellent contrast ratio of 18:1 and 64 shades of gray, providing bright, crisp screen (700/720)• TFT display provides a very fast response time and an excellent viewing angle• Allows simultaneous viewing on the LCD and on an externally connected CRT• Lets you upgrade 700 and 720 mono systems to color
Integrated pointing device	<ul style="list-style-type: none">• Brings new ease and flexibility to any application with TrackPoint II embedded in the keyboard – within easy reach of either index finger• Allows you to keep your fingers in their natural typing position• Unlike using a mouse, you won't need extra space or worry about leaving it behind• Places "click" buttons conveniently beneath the space bar
PCMCIA Cards	<ul style="list-style-type: none">• Protect your investment in the 720 and 720C with two Type II slots or one Type III slot – Ensures the 720 or 720C can handle current and future PCMCIA cards• PC cards are lightweight, compact, rugged and low in power consumption
Removable hard disk	<ul style="list-style-type: none">• Lets you have several hard disks for either the 700 or 720 family, for maximum flexibility• Allows secure, separate storage of hard disk, and enables multiple users of the same system to maintain their own hard disks
Fast 486SLC and 486SLC2 microprocessor	<ul style="list-style-type: none">• Standard 486SLC 25MHz (700/700C) and 486SLC2 50/25MHz (720/720C) processors deliver the speed and power you need for advanced 32-bit applications• Upgradable processor on the 700/700C to 486SLC2 for even faster performance• Allows you to add a coprocessor into a user-accessible socket
Memory	<ul style="list-style-type: none">• Makes it easy to add memory with slip-in IC DRAM cards• Comes standard with 4MB, expandable to 16MB, so you can handle any application
Optional 3550 Expansion Unit	<ul style="list-style-type: none">• Gives you two slots and one additional half-high bay – makes your state-of-the-art notebook a state-of-the-art desktop by accommodating either 5.25-inch or 3.5-inch SCSI devices• Provides a SCSI port without the need to use one of your adapter slots• Offers convenience, security (access lock, bolt down) and cable management
Optional port replicator	<ul style="list-style-type: none">• Convenient, easy docking for 700/720 family• Provides cable management – lets you use your ThinkPad (700/720 models) without attaching and detaching cables from your peripherals when you leave or return to your office
Three-year international warranty	<ul style="list-style-type: none">• Provides service across the country and around the world³



Battery pack



Port replicator



PCMCIA cards



Expansion Cartridge



Carrying case



3550 Expansion Unit



Quick charger

Options

		Part number
Connectivity/communications	700 & 700C	
	Internal data/fax modem (2400/9600 bps)	94X2555
	High-speed internal data/fax modem (14400/14400 bps)	42G2580
	Serial adapter	79F6800
	720 & 720C	
	PCMCIA PC cards	
	- 3270 emulation	0933315
	- Token-Ring 16/4*	0933462
	- Ethernet 10BaseT*	0933290
	- Ethernet 10Base2*	0933280
- Data/fax modem (2400/9600 bps)	42G2581	
- High-speed PCMCIA data/fax modem (14400/14400 bps)	43G3324	
Upgrades	120MB hard disk	54G0133
	160MB hard disk	54G0132
	Mono (700/720) to color system upgrade**	
	2MB, 4MB and 8MB IC DRAM cards	(see matrix below)
	486SLC2 processor upgrade option (700)	54G1032
486SLC2 processor upgrade option (700C)	54G0935	
Power	NiMH battery packs	49G2166
	Additional AC adapter (25W)	49G2163 (700)
	Additional AC adapter (40W)	49G2165 (700C/720/720C)
	Quick charger (holds two batteries; 1.4 hours charge time per battery)	49G2170
	Car battery adapter (700/720)	49G2167
	NiMH battery pack with power status indicators	53G9140
Security	Security base	49G2172
	Security utility diskette	49G2173
Expansion	Expansion Cartridge (1/2 slot for 3270, 5250, Token-Ring, Ethernet Thin or Twisted Pair adapter cards)	54G0180
	3550 Expansion Unit (2 slots, 1 bay and SCSI)	3550002
	Port replicator	53G9714
Other features	Key guard	49G2169
	Carrying case (without exterior pocket)	07G1530
	Carrying case (pictured above)	92F8808
	Keyboard/mouse connector	54G0441
	Numeric keypad	07G0032
	Miniature mouse	07G0033
	Battery pack safety cover	54G0445

Memory matrix table

Memory on system board	Standard memory on system board	4MB (80ns)
	Maximum memory	16MB
	System board memory IC DRAM cards	2MB:80ns (07G1419)
		4MB:80ns (07G1420)
		8MB:80ns (07G1421)
	Number of IC DRAM cards that can be added	2
	Memory configurations possible	4, 6, 8, 10, 12, 16MB

*Level 1.1 of the adapter software is required.

**Call 1-800-IBM-2YOU

IBM ThinkPad 700 and 720 Family at a glance

Model	700	700C	720	720C
Machine numbers	9552-300 (80MB) 9552-301 (120MB)	9552-30B (120MB)	9552-307 (120MB) 9552-308 (160MB)	9552-30J (160MB)
Microprocessor Clock speed	IBM 486SLC 25 MHz Internal 16KB cache	IBM 486SLC 25 MHz Internal 16KB cache	IBM 486SLC2 50/25MHz Internal 16KB cache	IBM 486SLC2 50/25MHz Internal 16KB cache
Bus architecture Data path	Micro Channel [®] 16-bit	Micro Channel 16-bit	Micro Channel 16-bit	Micro Channel 16-bit
Memory (RAM) Standard System maximum	4MB (80ns) 16MB (80ns)	4MB (80ns) 16MB (80ns)	4MB (80ns) 16MB (80ns)	4MB (80ns) 16MB (80ns)
Communications (optional)	Data/fax modem (2400/9600) High-speed data/fax modem (14400/14400)	Data/fax modem (2400/9600) High-speed data/fax modem (14400/14400)	PCMCIA data/fax modem (2400/9600) PCMCIA high-speed data/ fax modem (14400/14400)	PCMCIA data/fax modem (2400/9600) PCMCIA high-speed data/ fax modem (14400/14400)
Integrated display	9.5" monochrome STN LCD, 16-bit VGA (640 x 480), 18:1 contrast ratio; 64 gray scales with vertical expansion	10.4" color TFT LCD, 16-bit VGA, 256 colors (640x480) from a palette of 4,096 colors; 100:1 contrast ratio, vertical expansion	9.5" monochrome STN LCD, 16-bit VGA (640 x 480), 18:1 contrast ratio, 64 gray scales with vertical expansion	10.4" color TFT LCD, 16-bit VGA, 256 colors (640x480) from a palette of 4,096 colors; 100:1 contrast ratio, vertical expansion
Integrated functions	External Video Graphics Array (VGA) display port (ISO-compatible), serial port, parallel port, external keyboard and mouse support, Micro Channel bus expansion port, communication interface connector for fax modem or second serial adapter (700 & 700C); two PCMCIA Type II slots or one Type III slot (720/720C)			
Power management	Suspend/Resume; Advanced Power Management; sleep mode, non-disruptive battery exchange; internal quick-charge recharges batteries in just 2 hours for the 700; 1.4 hours for 700C/720/720C if powered off or in suspend mode; 3 hours charge time during operation for 700; 1.5 hours for the 700C, 720 and 720C; battery life of 3.8 to 7.5 hours (700/720), 2.0 to 4.0 hours (700C); 2.4-4.8 hours (720C)			
Internal diskette storage (standard)	3.5-inch 1.44MB	3.5-inch 1.44MB	3.5-inch 1.44MB	3.5-inch 1.44MB
Hard disk storage (standard)	80MB or 120MB (17ms)	120MB (17ms)	120MB (17ms) or 160MB (15ms)	160MB (15ms)
Display modes	LCD VGA-compatible mode Text 16 gray scales out of 64 (700/720) 16 colors out of 4,096 (700C/720C) 25 lines, 80 characters, 8x16 character matrix Graphics 640 x 480, 16 gray scales out of 64 (700/720) 320 x 200, 64 gray scales (700/720) 640 x 480, 16 colors out of 4,096 (700C/720C) 320 x 200, 256 colors out of 226,981 (700C/720C) Extended mode Graphics 640 x 480, 64 gray scales (700/720) 640 x 480, 256 colors out of 4,096 (700C/720C)		CRT VGA-compatible mode (all 700/720 models) Text 25 lines, 80 characters, 9 x 16 pel character matrix 25 lines, 132 characters, 8 x 16 pel character matrix Monochrome CRT, 16 gray scales out of 64 Color CRT, 16 colors out of 262,144 Graphics Monochrome CRT, 640 x 480, 16 gray scales out of 64 Monochrome CRT, 320 x 200, 64 gray scales Color CRT, 640 x 480, 16 colors out of 262,144 Color CRT, 320 x 200, 256 colors out of 262,144 Extended mode (all 700/720 models) Graphics Monochrome CRT, 640 x 480, 64 gray scales Color CRT, 640 x 480, 256 colors out of 262,144	
External displays	VGA-compatible displays			
Keyboard	84 keys with embedded numeric keypad and TrackPoint II integrated pointing device			
Power supply (standard) (optional)	NiMH rechargeable battery pack; AC adapter Car battery adapter (700/720 only); NiMH rechargeable battery pack; NiMH battery pack with power status indicators; AC adapter; Quick charger (holds two batteries simultaneously, with 1.4-hour charge time per battery)			
Operating systems supported	DOS 5.0, 5.02, OS/2 [®] 2.00.1, 2.1 (when available)		DOS 5.0, 5.02, OS/2 2.1 (when available)	
Software preloaded	DOS 5.02, PRODIGY		DOS 5.02, PRODIGY	
Size/weight	Approx. 1.9"H x 11.7"W x 8.3"D (48mm x 297mm x 210mm); 6.5 lbs.	Approx. 2.2"H x 11.7"W x 8.3"D (56mm x 297mm x 210mm); 7.6 lbs.	Approx. 1.9"H x 11.7"W x 8.3"D (48mm x 297mm x 210mm); 6.5 lbs.	Approx. 2.2"H x 11.7"W x 8.3"D (56mm x 297mm x 210mm); 7.6 lbs.
HelpWare	Includes three-year international carry-in warranty or ThinkPad EasyServ, ¹ or optional onsite repair service; ² setup, usage and service assistance 24 hours/7 days a week at no charge during warranty—via phone 800-772-2227, TDD/ASCII 800-426-4238, fax 800-426-3395, or bulletin board 404-835-6600; self-maintainer program; 30-day quibble-free, money-back guarantee; IBM Personal Computer Trade-In Program and IBM Credit Lease are also offered. For HelpWare in Canada, phone 800-465-7999			

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¹ ThinkPad 720/720C models conform to the PCMCIA PC Card Standard Release 2.01, and PCMCIA Card and Socket Services Specification Release 2.0, dated November 1992.

² International Hardware Warranty Service is available for those customers traveling to countries where this product is sold by IBM and IBM Business Partners. Hardware warranty service is subject to the terms and conditions of the Statement of Limited Warranty provided with the product in the country of purchase. Service outside the country of purchase will be delivered under local service procedures.

³ For information regarding the terms and conditions of IBM's limited warranty and money-back guarantee, please call 1-800-772-2227. Copies of IBM's Statement of Limited Warranty and money-back guarantee are available upon request.

⁴ Available only in the U.S.

⁵ Terms and conditions on IBM PC direct sales may differ.



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