

**IBM**

## ThinkPad 700 & 700C PS/2

*Use them wherever you think best*



*The notebook for those who require only one thing: the very best*

**An unmatched level of portable power**

The IBM ThinkPad™ 700 PS/2® and 700C PS/2 have just raised the standard of expectations for power and performance in a notebook. These are the finest computers for businesspeople and professionals on the move. Both the 700 and 700C have unique upgradability, including customer-installable hard disks, which allows you to maintain separate hard disks for different purposes, or people. And their 486SLC, 25 MHz microprocessors, with an internal 16KB base cache, are upgradable to 50/25 MHz. The 700's monochrome screen can be upgraded to the 700C's – the largest color screen in a notebook. And both the 700 and 700C have full-sized keyboards with TrackPoint II, a revolutionary integrated pointing device. That's part of why the ThinkPad 700 and 700C will make working on the go a breeze.

**Notebooks ready to travel the world**

If your business frequently takes you away from the office, then you understand the advantages of having a notebook that weighs only 6.5 pounds and provides up to 3.8 hours of continuous use – 7.5 hours in a typical workday environment. That's what the ThinkPad 700, with a large 9.5-inch monochrome Super Twisted Nematic (STN) LCD 16-bit VGA display, can do based on IBM's advanced design and sophisticated power management.

Or, for incomparable presentations, graphics and windowing applications, choose the ThinkPad 700C, with a very large 10.4-inch color Thin Film Transistor (TFT) active matrix LCD display that delivers 256 brilliant colors at a resolution of 640 x 480.

**Make all the right connections, right away**

Both the 700 and 700C bring you an unprecedented variety of communications options, including network connectivity. You can choose a low-cost data/fax modem so you can make all the data connections you need from wherever you are. You'll also have the choice of an

optional expansion cartridge with a half-slot for connectivity to your network, or the high-security 3550 Expansion Unit that provides two full slots, one additional bay and SCSI on the planar to give you all the convenience of a desktop system. And because the 700 and 700C come preloaded with DOS 5.0 and PRODIGY®, you can get started right away.

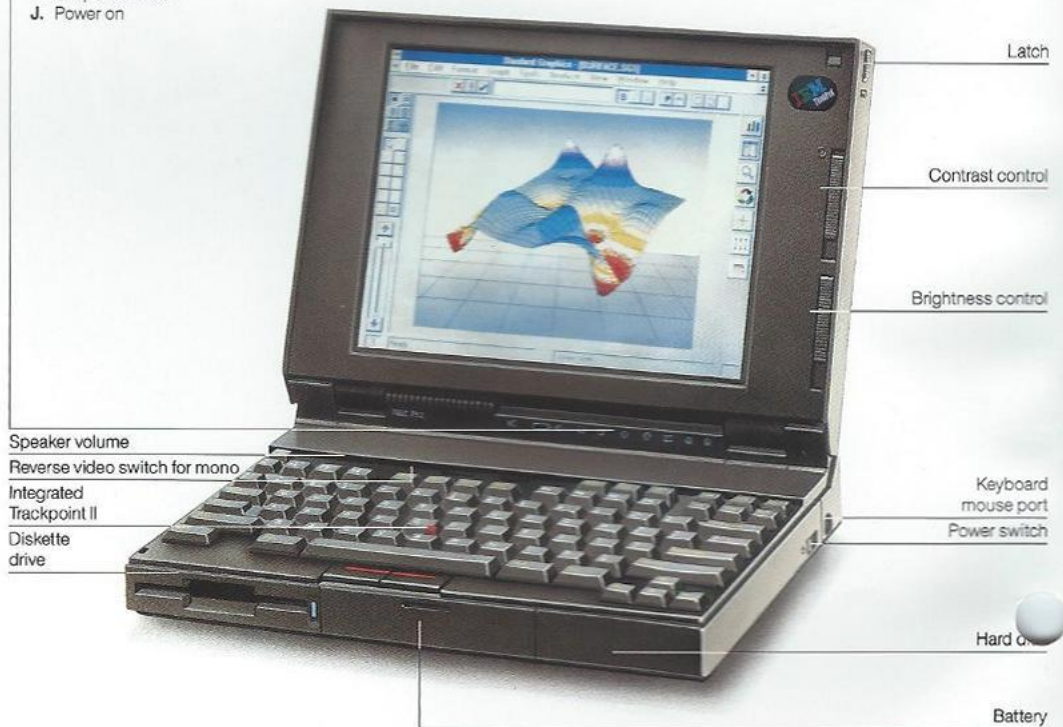
**World-class service and support**

Both models come with IBM's unsurpassed three-year, international warranty with carry-in repair service and around-the-clock assistance.

System status indicators



- A. Speaker
- B. Battery power status
- C. Battery charging
- D. Diskette drive in use
- E. Hard disk in use
- F. Numeric lock
- G. Caps lock
- H. Scroll lock
- I. Suspend mode
- J. Power on



Feature	Benefit
<b>Big, bright screen</b>	<ul style="list-style-type: none"> <li>• Has an extra-large 10.4-inch diagonal active matrix display with dazzling colors (700C)</li> <li>• Has large 9.5-inch monochrome display with excellent contrast ratio of 18:1, providing bright, crisp screen (700)</li> <li>• Provides a very fast response time and an excellent viewing angle</li> <li>• Allows simultaneous viewing on the LCD and on an externally connected CRT</li> <li>• Lets you upgrade 700 mono LCD screen to color</li> </ul>
<b>Removable hard disk</b>	<ul style="list-style-type: none"> <li>• Allows you to upgrade your 700's 80MB hard disk to a 120MB</li> <li>• Lets you have several hard disks for either the 700 or 700C, for unlimited storage capacity</li> <li>• Allows secure, separate storage of hard disk, and enables multiple users of same system to maintain their own hard disks</li> </ul>
<b>25 MHz 486SLC microprocessor</b>	<ul style="list-style-type: none"> <li>• Lets you upgrade to 486SLC2 processor (50/25)</li> <li>• Allows you to add a coprocessor into a user-accessible socket</li> <li>• Delivers the speed and power you need for advanced 32-bit applications</li> </ul>
<b>Memory</b>	<ul style="list-style-type: none"> <li>• Makes it easy to add memory with slip-in IC DRAM cards</li> <li>• Comes standard with 4MB, expandable to 16MB so you can handle any application</li> </ul>
<b>Integrated pointing device</b>	<ul style="list-style-type: none"> <li>• Brings new ease and flexibility to windowing applications with TrackPoint II embedded in the keyboard—within easy reach of either index finger</li> <li>• Allows you to keep your fingers in their natural typing position—unlike using a mouse, you won't need extra space</li> <li>• Places "click" buttons conveniently beneath the space bar</li> </ul>
<b>Optional 3550 Expansion Unit</b>	<ul style="list-style-type: none"> <li>• 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</li> <li>• Provides a SCSI port without the need to use one of your adapter slots</li> <li>• Provides convenience, security (access lock, bolt down) and cable management</li> </ul>



Expansion Cartridge



Carrying case



3550 Expansion Unit



Quick charger

## Options

		Part number	Part number
<b>Connectivity/communications</b>	700 & 700C		
	Data/fax modem (2400/9600 bps)		94X2555
	Serial adapter		79F6800
<b>Upgrades</b>	700		700C
	120MB hard disk (17ms/CSU)	54G0133	2MB, 4MB and 8MB IC DRAM cards
	Display Upgrade Kit to color model	49G2175	(memory)
	2MB, 4MB and 8MB IC DRAM cards (memory)	See matrix below	486SLC2 Processor Upgrade option
	486SLC2 Processor Upgrade option	54G0935	
<b>Power</b>	NiMH battery packs		49G2166
	Additional AC adapter (25W/40W)		49G2163 (700)
			49G2165 (700C)
	Quick charger (holds two batteries; 1.4 hours charge time per battery)		49G2170
	Car battery adapter (700 only)		49G2167
<b>Security</b>	Security base		49G2172
	Security utility diskette		49G2173
<b>Expansion</b>	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
<b>Other features</b>	Key guard		49G2169
	Carrying case		PS/2 Note 07G1530
			PS/note 92F8808
	Keyboard/mouse connector		54G0441
	Numeric keypad		07G0032
	Miniature Mouse		07G0033
	Battery pack safety cover		54G0445

## Memory matrix table

<b>Memory on system board</b>	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

## Why PS/2?

It's simply the best quality you can buy for mission-critical business applications.

*Advanced technology* – the industry's most powerful microprocessors, 32-bit Micro Channel<sup>®</sup> architecture, state-of-the-art graphics, and advanced solutions like multimedia and client/server computing.

*HelpWare™* – service and support as only IBM provides it: 24 hours a day, 7 days a week by phone, fax and electronic bulletin board; plus a **three-year warranty** with carry-in service.

*Extensive communications capabilities* – a wide variety of LAN environments are supported through system hardware, emulation software, operating systems and adapters.

*Upgradable* – with a selection of processors, adapters, disk storage and memory for increased capacity.

*Business Partners* – who enhance PS/2 capabilities by helping customers choose, customize and configure hardware and software for standalone or LAN and Enterprise LAN environments.

## IBM ThinkPad 700 and ThinkPad 700C Personal System/2 at a glance

Model	700	700C
<b>Machine numbers</b>	9552-300 (80MB) 9552-301 (120MB)	9552-30B (120MB)
<b>Microprocessor</b>	80486SLC	80486SLC
Clock speed	25 MHz Internal 16KB cache	25 MHz Internal 16KB cache
<b>Bus architecture</b>	Micro Channel	Micro Channel
Data path	32-bit	32-bit
<b>Memory (RAM) (standard)</b>	4MB (80ns)	4MB (80ns)
System maximum	16MB (80ns)	16MB (80ns)
<b>Communications</b>	Data/fax modem 2400/9600	Data/fax modem 2400/9600
<b>Integrated display</b>	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 (640 x 480) from palette of 4,096; 60:1 contrast ratio, vertical expansion
<b>Integrated functions</b>	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)	
<b>Power management</b>	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 if powered off or in suspend mode; 3 hours/1.5 hours charge time during operation for 700/700C	
<b>Internal diskette storage (standard)</b>	3.5-inch 1.44MB	3.5-inch 1.44MB
<b>Hard disk storage (standard)</b>	80MB and 120MB (17ms)	120MB (17ms)
<b>Display modes</b>		
<b>LCD</b>	VGA compatible	
Text	25 lines by 80 characters, 8 x 16 pel character matrix 16 gray scales (700) 16 colors (700C)	
Graphics	640 x 480, 16 gray scales (700) 640 x 480, 256 colors out of 262,144 colors (700C)	
<b>CRT</b>	VGA compatible	
Text	25 lines by 80 characters, 9 x 16 pel character matrix 16 colors (700/700C)	
Graphics	640 x 480, 16 colors out of 262,144 colors (700) 640 x 480, 256 colors out of 262,144 colors (700C)	
<b>External displays</b>	VGA-compatible displays	
<b>Keyboard</b>	84 keys with embedded numeric keypad and TrackPoint II integrated pointing device	
<b>Power supply (standard) (optional)</b>	NiMH rechargeable battery pack; AC adapter Car battery adapter (700 only); NiMH rechargeable battery pack; AC adapter; Quick charger (holds two batteries simultaneously, with 1.4-hour charge time per battery)	
<b>Operating systems</b>	DOS 5.0 (including Windows™ 3.1 support), OS/2® 2.00.1	
<b>Size</b>	Approximately 1.9"H x 11.7"W x 8.3"D (48mm x 297mm x 210mm)	Approximately 2.2"H x 11.7"W x 8.3"D (56mm x 297mm x 210mm)
<b>HelpWare</b>	Includes three-year international warranty with carry-in service (or optional onsite repair service); 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; for HelpWare in Canada, phone 800-465-7999	



© International Business Machines Corporation 1992

IBM United States  
Department ZV0  
1133 Westchester Avenue  
White Plains, NY 10604

Printed in the United States of America  
10-92  
All Rights Reserved

References in this publication to IBM products or services do not imply that IBM intends to make them available outside the United States.



G221-3485-00