

## IBM ThinkPad R51 notebooks



### Highlights

- **Count on excellent wireless performance and extended battery life with Intel® Centrino™ Mobile Technology (select models).**
- **Go anywhere. At 33mm (1.3") thin<sup>1</sup> with a travel weight<sup>2</sup> of 2.6kg<sup>2</sup> (5.6 lb)**
- **Crystal clear images and 3D graphics with ATI Mobility RADEON 7500 32MB DDR 4X AGP graphics or ATI Mobility RADEON 9000 32MB DDR 4X graphics (select models).**
- **Guard data against drop damage. The IBM Active Protection System provides the hard disk drive up to 4 times greater impact protection than in notebooks without it.**
- **Hit the blue button. IBM Rescue and Recovery™ software helps users recover system images by themselves.**
- **IBM 802.11a/b/g<sup>3</sup> tri-mode technology provides flexibility so you can connect in all Wi-Fi environments to help increase mobility and productivity.**

**IBM recommends Microsoft® Windows® XP Professional for Business.**

### For everyone in the office

Introduce your organization to the affordable IBM ThinkPad® R51 notebook with Intel Centrino Mobile Technology (select models) and easy-to-use system recovery software. Certain models also include great wireless options. Others feature advanced graphics capabilities.

### The latest breakthrough

Like airbag technology, the new IBM Active Protection System features built-in motion sensors. When a fall is detected, this innovation helps guard the hard disk drive. That makes it less likely data on your hard disk drive will be lost because of some bumps or drops.

### Business advantage. It's in here.

To help decrease expenses, look inside for IBM ThinkVantage™ Technologies and ThinkVantage Design elements. You'll see how to work more confidently and efficiently—and gain more time to focus on strategic goals.

For important warranty information, see page 4.



## Get the edge: IBM ThinkVantage Technologies and Designs

- **Support your mobile workforce** with select wireless ThinkPad R51 notebooks and IBM Access Connections software. It's the easiest way to switch between wired and wireless networks.
- **Put online<sup>5</sup> and on-system information at your employees' fingertips** with Access IBM. With the push of a button, staff and colleagues can gain answers to common IT questions by themselves.
- **Deploy the most secure wireless notebooks in the industry** with the IBM Embedded Security Subsystem 2.0. It offers built-in hardware and downloadable software-based protection. No other manufacturer offers stronger security as a standard feature.
- **Give your help desk a break.** Meet IBM Rescue and Recovery software. It's preloaded on ThinkPad R51 notebooks. With this enhanced, one-button solution, staff can restore system images themselves in the event of a software crash—often without a call to the help desk.
- **Improve signal reception** with the IBM UltraConnect™ Antenna. To maximize range, this antenna is built into the display of ThinkPad R51 notebooks. Plus, it supports multiple frequencies to optimize coverage<sup>4</sup>.
- **Brace for impact.** Like a bumper, the IBM Hard Disk Drive Shock Absorber helps protect the hard disk drive against damage from some drops and falls. This technology provides up to 30% more protection than the system case alone.<sup>6</sup>
- **Point and click two ways** with the IBM ThinkPad UltraNav™ multi-pointing system. It features touchpad technology and the TrackPoint® pointing device.

**IBM recommends Microsoft® Windows® XP Professional for Business.**



IBM ThinkPad R51 notebook with optional IBM ThinkPad Port Replicator II.

## Wireless security made easy.



**Control wireless access and strengthen network security** with select ThinkPad R51 notebooks that support Cisco Compatible Extensions. You'll get a PC that's tested to run at the highest levels of performance in a secure, Cisco wireless environment. That includes wireless network password protection and dynamic encryption capabilities available only to users connected to Cisco Aironet wireless networks.

The IBM ThinkPad R51 notebook has been tested in accordance with test criteria set by Cisco and is compatible with Cisco Aironet access points running software versions 12.01, 12.02, 12.03, 12.2(8)JA or 12.2(11)JA.

## Service in São Tomé? Sure.

**Rely on award-winning IBM Service and Support.** Choose an IBM ThinkPad R51 notebook. With just a few clicks, workers can enjoy a wealth of on-system and online resources. Plus, they'll have support in more than 160 countries<sup>7</sup> worldwide, from São Tomé to Sri Lanka.

## IBM ThinkPad R51 notebook specifications

	Machine types 1829, 1830, 1831, 1836	Machine types 2883, 2887, 2888, 2889
<b>Processor<sup>8</sup> (Processor speed, Level 2 cache, FSB)</b>	Intel® Centrino™ Mobile Technology (select models) <ul style="list-style-type: none"> <li>Intel Pentium® M Processor 755 (2.0GHz, 2MB L2, 400MHz), Intel Pentium M Processor 745 (1.8GHz, 2MB L2, 400MHz), Intel Pentium M Processor 735 (1.7GHz, 2MB L2, 400MHz) or Intel Pentium M Processor 725 (1.6GHz, 2MB L2, 400MHz)</li> <li>Intel PRO/Wireless 2200BG Network Connection 802.11b/g or Intel PRO/Wireless 2100 Network Connection 802.11b</li> </ul>	Intel Centrino Mobile Technology (select models) <ul style="list-style-type: none"> <li>Intel Pentium M Processor 755 (2.0GHz, 2MB L2, 400MHz), Intel Pentium M Processor 745 (1.8GHz, 2MB L2, 400MHz), Intel Pentium M Processor 735 (1.7GHz, 2MB L2, 400MHz) or Intel Pentium M Processor 725 (1.6GHz, 2MB L2, 400MHz)</li> <li>Intel PRO/Wireless 2200BG Network Connection 802.11b/g or Intel PRO/Wireless 2100 Network Connection 802.11b</li> </ul> Intel Celeron® M Processor 360 (1.4GHz, 1MB L2, 400MHz), Intel Celeron M Processor 350 (1.3GHz, 1MB L2, 400MHz), Intel Celeron M Processor 340 (1.5GHz, 512KB L2, 400MHz) or Intel Celeron M Processor 330 (1.4GHz, 512KB L2, 400MHz)
<b>Preloaded operating system<sup>9</sup></b>	Microsoft® Windows® XP Professional or Microsoft Windows XP Home Edition	Microsoft Windows XP Professional or Microsoft Windows XP Home Edition
<b>Display/Resolution</b>	14.1" TFT XGA/1024x768, 15" TFT XGA/1024x768 or 15" SXGA+ with IPS (1400 x 1050)	14.1" TFT XGA/1024x768 or 15" TFT XGA/1024x768
<b>Hard disk drive<sup>10</sup></b>	20GB, 30GB, 40GB, 60GB, 80GB or 40GB High Speed	20GB, 30GB, 40GB, 60GB, 80GB or 40GB High Speed
<b>Memory (std<sup>11</sup>/max<sup>12</sup>)</b>	256 or 512MB/2GB PC2700 DDR SDRAM	128, 256 or 512MB/2GB PC2700 DDR SDRAM
<b>Optical drive<sup>13</sup></b>	DVD-RW, CD-RW/DVD Combo, 8X Max DVD or 24X Max CD	DVD-RW, CD-RW/DVD Combo, 8X Max DVD or 24X Max CD
<b>Video graphics</b>	ATI MOBILITY RADEON 7500 32MB DDR 4X AGP or ATI MOBILITY RADEON 9000 32MB DDR 4X AGP	Intel Extreme Graphics 2
<b>Integrated communications</b>	Modem, 10/100 or Gigabit Ethernet IBM 11a/b/g II (select models) Intel PRO/Wireless 2100 Network Connection 802.11b (select models) Intel PRO/Wireless 2200BG Network Connection 802.11b/g (select models) Bluetooth™ <sup>14</sup> (select models) Wireless upgradeable with IBM Options	Modem, 10/100 or Gigabit Ethernet IBM 11a/b/g II (select models) Intel PRO/Wireless 2100 Network Connection 802.11b (select models) Intel PRO/Wireless 2200BG Network Connection 802.11b/g (select models) Wireless upgradeable with IBM Options
<b>Li-Ion battery life<sup>15</sup></b>	up to 4.7 hrs	up to 4.5 hrs
<b>With optional extended life battery</b>	up to 6.9 hrs	up to 6.6 hrs
<b>Ports</b>	Infrared, 2 USB 2.0; parallel; S-video out; dock/port replicator; external display; AC adapter; RJ-11, RJ-45; audio: headphone, external microphone, 1394 (select models)	
<b>Slots</b>	1 Type II PC Card or 1 Type III PC Card	1 Type II PC Card or 1 Type III PC Card
<b>IBM Embedded Security Subsystem 2.0</b>	yes	yes
<b>Keyboard</b>	Ergonomic keyboard with palm rest, IBM ThinkPad® UltraNav™ multipointing system including TrackPoint® pointing device with "Press-to-Select", Internet Scroll Bar <sup>5</sup> , intuitive volume and Access IBM button	
<b>Dimensions<sup>1</sup></b>	14": 314 x 260 x 33mm (12.4 x 10.2 x 1.3") or 15": 332 x 268.4 x 37mm (13.1 x 10.6 x 1.5")	14": 314 x 260 x 33mm (12.4 x 10.2 x 1.3") or 15": 332 x 268.4 x 37mm (13.1 x 10.6 x 1.5")
<b>Travel weight<sup>2</sup></b>	14": starting at 2.6kg (5.6lbs) 15": starting at 2.8kg (6.2lbs)	14": starting at 2.6kg (5.6lbs) 15": starting at 2.8kg (6.2lbs)
<b>Port replicator/dock support</b>	yes/yes	yes/yes
<b>Limited warranty<sup>16</sup></b>	3 years or 1 year/1 year battery	3 years or 1 year/1 year battery

For important warranty information, see page 4.

### IBM ThinkPad R51 software

<b>Supported operating systems<sup>17</sup></b>	Microsoft Windows XP Professional, Microsoft Windows XP Home Edition, Microsoft Windows 2000 Professional	
<b>Included software<sup>18</sup> (preloaded)</b>	<ul style="list-style-type: none"> <li>Access IBM</li> <li>Access Connections</li> <li>Adobe® Acrobat® Reader</li> <li>IBM RecordNOW and IBM DLA powered by Sonic products (DVD-RW or CD-RW/DVD models only)</li> <li>IBM Rescue and Recovery™</li> </ul>	<ul style="list-style-type: none"> <li>InterVideo WinDVD (CD-RW/DVD, DVD-RW or DVD models only)</li> <li>InterVideo WinDVD Creator (DVD-RW model only)</li> <li>Norton AntiVirus 2004 with 90 days of virus definitions</li> <li>PC-Doctor</li> <li>ThinkPad Utilities</li> <li>Update Connector™<sup>19</sup></li> </ul>
(downloadable)	<ul style="list-style-type: none"> <li>IBM Client Security Software</li> <li>IBM Director Agent</li> </ul>	<ul style="list-style-type: none"> <li>Software Delivery Assistant</li> </ul>
(license—CD not included)	<ul style="list-style-type: none"> <li>Lotus® SmartSuite®</li> </ul>	<ul style="list-style-type: none"> <li>Lotus Notes® Stand-alone Client</li> </ul>
<b>Certified operating systems</b>	For a listing of completed Linux certifications, visit <a href="http://www-306.ibm.com/pc/support/site.wss/MIGR-48NT8D.html">http://www-306.ibm.com/pc/support/site.wss/MIGR-48NT8D.html</a>	

### Enhance performance.

#### IBM ThinkPad Port Replicator II

74P6733



Quickly connect ThinkPad notebooks to key peripherals with one easy step.



MOBILE TECHNOLOGY Unwire.