	Speed	Graphics Disk	Mini PCI Comm Bay	modem/ o	ernet Battery Limited on Security cells Warranty Avail					
	sor GHz Memory Screen m® M 1.4 256MB 14.1" SXG	controller GB® Optical	wireless Open; wireless upg	Bluetooth™ pla	· · · · · · · · · · · · · · · · · · ·					
2378-DFU Pentius 2378-DGU Pentius	mM 1.4 256MB 14.1" XGA mM 1.4 256MB 14.1" XGA mM 1.4 256MB 14.1" XGA mM 1.4 256MB 14.1" XGA	7500 40HS DVD	Open; wireless upg Open; wireless upg	Modem Gig	abit Yes 6 XP Pro 1 yr Oct 2003 abit Yes 6 XP Pro 1 yr Oct 2003					
These small and medium business (SMB) models are part of the IBM US Think Express Program The 2378 has a 1 year limited warranty (other ThinkPad T41 2379 models have a 3 year limited warranty)										
Positioning	Perfect balance of performa	ance and portability; two-s		-,	SOFTWARE ¹⁴					
Processor	Intel® Pentium® M Process enhanced Intel SpeedStep	™ technology¹ and 400MI	Hz system bus		Windows XP Pro models					
L2 cache Memory	1MB / on die (at processor 256MB standard / 2GB ma two 200-pin SO-DIMM soc	x ⁷ / PC2700 333MHz DD			- Microsoft® Windows® XP Professional ²⁰ ⇒ Disk-to-Disk Recovery					
Diskette drive DVD	None standard / use option Some: DVD-ROM / 24X-83	al USB-based diskette dr K ⁸ speed / bootable / remo	ʻive ovable from Ultrabay⊺	™ Slim	(in hidden protected area) Preloaded(all)					
Combo Ultrabay Slim	Some: DVD-ROM/CD-RW One modular bay for interc	' / 16X/10X/24X/8X ²¹ spe	ed / removable from U	Jltrabay Slim	Access IBM Access Connections					
Disk	30GB ⁸ (4200 rpm) or 40GB 9.5mm high bay / supports IBM Hard Disk Drive Shoo IBM Active Protection Sy	Adobe Acrobat Reader IBM Rapid Restore™ Ultra IBM RecordNOW and IBM Drive Letter Access (combo models)								
Display	Some: 14.1" (358.1mm) X Some: 14.1" (358.1mm) S				InterVideo WinDVD (combo mdls) Norton AntiVirus (OEM edition) PC-Doctor™					
Graphics controller	Some: ATI® Mobility RAD	Some: 14.1" (358.1mm) SXGA+ (1400x1050) TFT color / Active Matrix / 150 nits Some: ATI® Mobility RADEON® 7500 / AGP 4X / 32MB DDR-SDRAM Some: ATI Mobility RADEON 9000 / AGP 4X / 32MB DDR-SDRAM								
	External monitor support via				IBM Update Connector ^{TM,15} Downloadable					
Keyboard TrackPoint®	87-key / Access IBM button TrackPoint® pointing device	e, "Press-to-Select," Inter	net Scroll Bar13, magr	nifying gĺaśs /	IBM Director AgentSoftware Delivery Assistant					
Touch pad ThinkLight™	UltraNav™ multi-pointing silluminates the keyboard to			3	System Migration Assistant Client Security Software (for					
Dimensions ³ Approximate weight ²	(WxDxH): 12.2" x 10.0" x 1 with optical drive and batter			b (2.2kg)	security chip)					
Case material Battery - type	Magnesium composite in the Lithium Ion 6-cell or 9-cell /	ne top cover, titanium-reir	nforced CFRP in botto	om cover	License (CD not included) - Lotus® SmartSuite® Millennium and					
Battery - life ¹⁰	6-cell models: 4.7 to 5.0 hr	; Optional 9-cell: 7 hr; 9-c	ell plus Ultrabay Slim		Lotus Notes® Stand-alone Client					
Architecture	Intel 855PM chipset / 8285 82801DBM ICH4-M I/O Con Low Pin Count [LPC] interfa	ntroller Hub (ATA-100 EIC	E, PCI bus, ethernet l							
	PCI4520A CardBus and 13 (security chip; PC87392 Su	94 controller, Mini PCI, ex	ternal expansion) / LF	PC bus 33MHz	Universal 72 watt AC adapter					
PC Card Std slots Ports	2 Type I, 2 Type II, or 1 Typ Two USB (Version 2.0) / pa RJ-11 (modem) / RJ-45 (et	be III / CardBus 32-bit / P arallel / external DB-15 m	CMCIA 2.1 onitor / infrared (4Mb)	ps) /	Asset ID™.34 (system-specific info in chip accessed over network) PC 2001-compliant					
Video out Wireless antenna	S-video out port (TV out) / o UltraConnect™ Antenna bu			nal reception	ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant					
Mini PCI Wireless upg ³⁶	One Mini PCI type III slot (C Some: wireless upgradable		PXE 2.0-compliant IBM ImageUltra™ Services available IBM Rapid Restore Ultra available to protect software image and data							
11b Wi-Fi ³²	Some: 11b Wi-Fi ³² wireless 802.11b, Intel 82531	Connection								
CDC Modem	One Communications Daug 56K ⁶ V.90 (V.92-designed ²⁵	hter Card (CDC) socket /	customer accessible		International Warranty Service ¹⁷ 24 hour x 7 day ¹⁸ toll-free hardware					
Bluetooth™ Ethernet	None Gigabit ethernet on system	,	·	=	support during the warranty ¹²					
Audio support	Soft audio / ICH AC97 cont stereo speakers / 1 watt / v	roller / DirectSound® sup	port / AD1981B AC97		ServicePac®,22 1yr IOR 9x5 NBD 30L9188					
Socurity	microphone input jack (3.5 Power-on password / hard	mm; pink) / headphone ja	ack (3.5 mm; green)	v kovholo	ServicePac 2 yr IOR 9x5 NBD 30L9189					
Security Security chip	IBM Embedded Security authentication / local file er	Subsystem 2.0 33 / hardw	are key storage / mult	ti-factor	ServicePac 3 yr IOR 9x5 NBD 30L9195					
Limited warranty ¹²	1 year - EasyServ ^{TM,19} onsit	71		<u> </u>	ServicePac 4 yr IOR 9x5 NBD 30L9194					
	DDR-SDRAM CL2.5 SOD 3		i-Ion Battery 6-cell	08K8214	ServicePac 5 yr IOR 9x5 NBD 30L9196					
512 MB PC2700 I	DDR-SDRAM CL2.5 SOD 3 DDR-SDRAM CL2.5 SOD 3	1P9832 Ultrabay Sliṁ Li	city Li-Ion Battery 9-ce -Polymer Battery 3-ce ble Battery Charger II		ServicePac 2 yr P&L P/U Depot 30L9191					
IBM USB Portable	e Diskette Drive 0	ServicePac 3 yr P&L P/U Depot 30L9192								
IBM USB 2.0 Port	ServicePac 4 yr P&L P/U Depot 69P9195									
CD-RW/DVD Combo II Ultrabay Slim Drive 73P3288 IBM 11a/b/g Wireless Mini PCI Adapter 31P9701 ServicePac 5 yr P&L P/U Depo 69 ThinkPad DVD-ROM Ultrabay Slim Drive 73P3270 Intel PRO/Wireless 2200BG Mini PCI 73P2801 Second HDD Adapter for Ultrabay Slim 62P4554 Cisco Aironet Wireless 802.11b Mini PCI 31P8301 Other ServicePac options at										
30GB Hard Disk 9	.5mm (4200 rpm) 0	9N4268 GemPC400 Sm	art Card Reader/Write	er 31P8901	Other ServicePac options at ibm.com/services/its/us/source/					
80GB Hard Disk 9	0.5mm (4200 rpm) 0	8K9816 ThinkPad Port F 8K9869 ThinkPad Mini D	Dock	74P6733 287810U	wamomxeu.pdf Post-warranty annual maintenance					
IBM 4GB Microdrive™ with PC Card 09N4280 ThinkPad Dock II 287710U agreements at 22P9025 Kensington® MicroSaver® Security Cable 73P2582 ibm.com/services/its/us/source/										
	ton Travel Wheel Mouse 3		ibm.com/pc/us/acce		maspspleu.pdf					

								r ersonar bystems riererence (r orier)			
Type-model Proces	Speed ssor GHz Memory Scr	Graphics een controlle		Optical	Mini PCI Comm Bay wireless	CD mode Blueto		Security cells or Global (G) Avail			
2373-4JU Pentium® M 1.5 512MB 14.1" XGA 7500 30GB Combo 11a/b/g Wi-Fi ³² Modem Gigabit Yes 6 XP Pro No Apr 2004 2373-4HU Pentium M 1.6 512MB 14.1" XGA 7500 40HS Combo 11a/b/g Wi-Fi Modem Gigabit Yes 6 XP Pro No Oct 2003 2373-4KU Pentium M 1.7 512MB 14.1" XGA 7500 40HS Combo 11a/b/g Wi-Fi Modem Gigabit Yes 6 XP Pro No Apr 2004 These educational models of the ThinkPad T41 notebook are available only to public or private K-12 (or higher) accredited schools organized and operated exclusively for educational purposes for use by qualified students and/or teachers. This model for education is for sale direct from IBM or through an Authorized Education Reseller. The model or models for education are not available for resale to any other organization or individual.											
Positioning Processor L2 cache Memory Diskette drive Combo Ultrabay Slim Disk Display Graphics Graphics external Keyboard	Perfect balance of performental perfect balance of performental perfor	tessor 1.5, 1.1 tep™ technol. sor speed) / E max ⁷ / PC270 -DIMM socketional USB-ba X/10X/24X/8 erchangeable GB HS (5400 rts 2nd disk whock Absorb System (sho 1024x768) TI open with one EON® 7500 / t via analog D	66, or 1.70 ogy¹ and CC O00 333M tts / std r assed dist X²¹ speed device or rpm), 9 rith optio er / ck prote FT color hand AGP 4X B-15 color est / pitch	GHz with 1400MHz with 1400MHz DDR mem in or kette drived / removes (right sic. 5mm high all HDD ection) r / Active I (/32MB nnector/in: 19mm;	system bus I (DDR-SDRAM) ne socket / one so e rable from Ultraba de) / 9.5mm high b h / removable and Adapter in Ultraba Matrix / 150 nits / DDR1 (DDR-SDR up to 2048x1536x stroke: 2.5mm (s	ay™ Sli bay I upgraa ay Slim RAM) k16.7M	vailáble m dable / / at 75Hz	SOFTWARE¹⁴ Windows XP Professional - Microsoft® Windows® XP Professional²⁰ Disk-to-Disk Recovery (in hidden protected area) Preloaded Access IBM Access Connections Adobe Reader IBM Rapid Restore™ Ultra IBM RecordNOW and IBM Drive Letter Access (combo models) InterVideo WinDVD (combo models) Norton AntiVirus (OEM edition) PC-Doctor™ ThinkPad Utilities IBM Update Connector™.15 Downloadable IBM Director Agent Software Delivery Assistant System Migration Assistant Client Security Software (for security chip) License (CD not included) Lotus® SmartSuite® Millennium and Lotus Notes® Stand-alone Client			
TrackPoint® Touch pad ThinkLight™ Dimensions³ Weight² Case material Battery - type Battery - life¹⁰ Architecture	TrackPoint® pointing de UltraNav™ multi-pointir Illuminates the keyboar (WxDxH): 12.2" x 10.0" with optical drive and ba Magnesium composite Lithium Ion 6-cell / intell 4HU/4KU: 4.7 hr; 4JU: Intel 855PM chipset / 82801DBM ICH4-M I/O Low Pin Count [LPC] int PCI4520A CardBus cor (security chip: PC87382	g system / tood to improve \(\frac{1}{2}\) x 1.0-1.2"; 31' tittery: 4.9 lbs in the top covingent / support 4.9 hr; Option: 2855PM Mem Controller Herface, USB, troller, Mini P	uch pad visibility 1 mm x 2 (2.22 kger, titanics unique al 9-cellory Conto (ATA[Bluetoo CI, exter	below ke in low-light s55mm x 2 g) um-reinfore 2nd batt s7 hr; 9-c troller Hub 100 EIDE oth]) / PCI rnal expar	yboard / Tap Zon nt conditions 26.6-31.4mm orced CFRP in bo- ery in Ultrabay Sli cell plus Ultrabay o (MCH-M) / , bus 2.2 32-bit, 33 nsion) / LPC bus 3	es ttom co m Slim ba et MAC MHz (1 33MHz	over att: 9 hr				
PC Card Std slots Ports Video out Wireless antenna Mini PCI 11a/b/g Wi-Fi ³² CDC Modem Bluetooth TM Ethernet Audio support Security Security chip	(security chip; PC87392 Super I/O for diskette, parallel, infrared, [docking-based ports]) 2 Type I, 2 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / integrated door Two USB (Version 2.0) / parallel / external DB-15 monitor / infrared (4Mbps) / RJ-11 (modem) / RJ-45 (ethernet) / no keyboard or mouse or serial ports (use USB) S-video out port (TV out) / one 4-pin industry standard connector UltraConnect™ Antenna built into the display cover for optimal wireless signal reception One Mini PCI type III slot (Communications Bay) / customer upgradable 11a/b/g Wi-Fi³²² wireless⁴, Mini PCI, Atheros™ AR5001X+ chipset One Communications Daughter Card (CDC) socket / customer accessible 56K⁶ V.90 (V.92-designed²³) modem in CDC / Agere® chipset None Gigabit ethernet on systemboard / Intel 82540EP chipset (MAC/PHY) / PXE Soft audio / ICH AC97 controller / DirectSound® support / AD1981B AC97 codec / stereo speakers / 1 watt / volume up, down, mute buttons / internal mic / microphone input jack (3.5 mm; pink) / headphone jack (3.5 mm; green) Power-on password / hard disk password / supervisor password / security keyhole IBM Embedded Security Subsystem 2.0³³ / hardware key storage / multi-factor							Asset ID™.34 (system-specific info in chip accessed over network) PC 2001-compliant ACPI 1.0b and 2.0-compliant CIM and DMI 2.0-compliant PXE 2.0-compliant IBM ImageUltra™ Services available to protect software image and data International Warranty Service¹¹² 24 hour x 7 day¹¹⁵ toll-free warranty support during the warranty¹² via 800-IBM-SERV (426-7378) The Ultrabay Slim supports: • standard or optional CD-RW/DVD combo drive • optional DVD drive			
Limited warranty ¹² Service options	authentication / local fill 3 years/1 yr battery - E Service upgrades ²² pro coverage from date of 1	asyServ™,19 o vide up to five	nsite pic	kup and o	delivery courier se or depot repair se	ervice rvice		optional second battery optional HDD adapter (for 2nd disk) optional travel bezel ServicePac®, 22 2yr IOR 9x5 NBD			
256 MB PC2700 I 512 MB PC2700 ID 1GB PC2700 DD IBM USB Portable IBM USB 2.0 Con IBM USB 2.0 Mer CD-RW/DVD Cor Multi-Burner Plus Second HDD Ada 40GB HS Hard Di 60GB HS Hard Di 80GB HS Hard Di IBM 4GB Microdr IBM USB Travel	nbo Drive table Multi-Burner Drive nory Key 512MB mbo II Ultrabay Slim Drive Ultrabay Slim Drive apter for Ultrabay Slim sk 9.5mm (5400 rpm) sk 9.5mm (5400 rpm) sk 9.5mm (5400 rpm) ive™ with PC Card Keyboard with UltraNav tton Travel Wheel Mouse	0 31P9830 0 31P9832 31P9834 05K9276 73P4515 22P9163 22P9230 e 73P3288 73P3342 62P4554 08K9816 73P3357 09N4280 31P9490 31P7410	T40 Higl Ultrabay ThinkPa ThinkPa ThinkPa IBM 11a IBM 11a IBM 164 IBM E46 IBM C40 IBM	h Capacit c Slim Li-F d Multiple d 72W AG d 72W AG d 72W AG b/g Wire c/b/g	or for rt Card Reader/W eplicator II ock	-cell (Feell (Fe		30L9190 ServicePac 3yr IOR 9x5 NBD 30L9197 ServicePac 4yr IOR 9x5 NBD 69P9198 ServicePac 5yr IOR 9x5 NBD 69P9200 ServicePac 4yr P&L P/U Depot 69P9199 ServicePac 5yr P&L P/U Depot 69P9201 Other ServicePac options at ibm.com/services/its/us/source/ wamomxeu.pdf Post-warranty annual maintenance agreements at ibm.com/services/its/us/source/ maspspleu.pdf			