

IBM® ThinkPad® A21e (2628) - withdrawn

Type-model	Processor	MHz	Mem	Screen	Disk	CD	Comm	Bay	Design	Modular bay	Preload	Avail
2628-C1U	Celeron™	600	64MB	12.1" SVGA	10GB ⁸	24X-10X ⁹ CD	modem	Three spindle	Ultrabay 2000	Windows 98 SE	Oct 00	
2628-CXU	Celeron	600	64MB	12.1" SVGA	10GB	24X-10X CD	3Com® eth/mod	Three spindle	Ultrabay 2000	Windows 98 SE	Oct 00	
2628-CSU	Celeron	600	64MB	12.1" SVGA	10GB	24X-10X CD	Intel® eth/mod	Three spindle	Ultrabay 2000	Windows 98SE	Nov 00	
2628-C2U	Celeron	600	64MB	12.1" SVGA	10GB	24X-10X CD	modem	Three spindle	Ultrabay 2000	Windows 2000	Oct 00	
2628-CYU	Celeron	600	64MB	12.1" SVGA	10GB	24X-10X CD	3Com eth/mod	Three spindle	Ultrabay 2000	Windows 2000	Oct 00	
2628-CTU	Celeron	600	64MB	12.1" SVGA	10GB	24X-10X CD	Intel eth/mod	Three spindle	Ultrabay 2000	Windows 2000	Nov 00	
2628-J1U	Celeron	600	64MB	15.0" XGA	10GB	24X-10X CD	modem	Three spindle	Ultrabay 2000	Windows 98 SE	Oct 00	
2628-JXU	Celeron	600	64MB	15.0" XGA	10GB	24X-10X CD	3Com eth/mod	Three spindle	Ultrabay 2000	Windows 98 SE	Oct 00	
2628-JSU	Celeron	600	64MB	15.0" XGA	10GB	24X-10X CD	Intel eth/mod	Three spindle	Ultrabay 2000	Windows 98 SE	Nov 00	
2628-J2U	Celeron	600	64MB	15.0" XGA	10GB	24X-10X CD	modem	Three spindle	Ultrabay 2000	Windows 2000	Oct 00	
2628-JWU	Celeron	600	64MB	15.0" XGA	10GB	24X-10X CD	3Com eth/mod	Three spindle	Ultrabay 2000	Windows 2000	Oct 00	
2628-JTU	Celeron	600	64MB	15.0" XGA	10GB	24X-10X CD	Intel eth/mod	Three spindle	Ultrabay 2000	Windows 2000	Nov 00	
2628-JAU	Celeron	700	64MB	15.0" XGA	20GB	24X-10X CD	modem	Three spindle	Ultrabay 2000	Windows 98 SE	Feb 01	
2628-JUU	Celeron	700	64MB	15.0" XGA	20GB	24X-10X CD	Intel eth/mod	Three spindle	Ultrabay 2000	Windows 98 SE	Feb 01	
2628-JCU	Celeron	700	64MB	15.0" XGA	20GB	24X-10X CD	modem	Three spindle	Ultrabay 2000	Windows 2000	Feb 01	
2628-JVU	Celeron	700	64MB	15.0" XGA	20GB	24X-10X CD	Intel eth/mod	Three spindle	Ultrabay 2000	Windows 2000	Feb 01	
Processor	Intel® Mobile Celeron™ 600 or 700MHz ¹ with 100MHz system bus									WINDOWS 98 PRELOAD ¹⁴		
L2 cache	128KB / onboard (at processor speed) / ECC									- Microsoft® Windows® 98 Second Edition ¹³ • ThinkPad Utilities • ThinkPad Assistant™ • ConfigSafe® • IBM Update Connector™.15 • Access ThinkPad II • PC-Doctor™ - Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0 license ✧ Software Selections CD-ROM ✧ Recovery CD-ROM (Windows 98 SE)		
Memory	64MB standard / 256MB max ⁷ / SDRAM / non-parity / 100MHz / PC 100 / two 144-pin SO-DIMM sockets / std memory in one socket / 1 socket available											
Diskette drive	3.5" 1.44MB / not removable											
CD or DVD-ROM	Bootable / removable from Ultrabay™ 2000											
Ultrabay 2000	Modular bay for interchangeable devices											
Disk (removable)	10GB or 20GB / upgradeable / S.M.A.R.T. / supports 2nd disk in opt HDD adapter									WINDOWS 2000 PRELOAD ¹⁴ - Windows 2000 Professional ¹³ • ThinkPad Utilities • ThinkPad Assistant • ConfigSafe® • IBM Update Connector • Access ThinkPad II • PC-Doctor - Lotus® SmartSuite® Millennium and Lotus Notes® Client 5.0 license ✧ Software Selections CD-ROM ✧ Recovery CD-ROM (Windows 2000) ✧ Recovery CD-ROM (Windows NT)		
Display	12.1" (307.3mm) SVGA (800x600) TFT color / Active Matrix 15.0" (381mm) XGA (1024x768) TFT color / Active Matrix											
Graphics controller	ATI® Rage™ Mobility-M / PCI / 4MB SDRAM / DDC2B											
Graphics - external	External SVGA to 1024x768x16.7 million colors at 85Hz and up to 1600x1200											
Keyboard	ThinkPad Button / palm rest / TrackPoint®, Press-to-Select, Internet Scroll Bar											
ThinkLight	Illuminates the keyboard to improve visibility in low-light conditions									The right bay (Ultrabay 2000) supports the following: • standard or optional CD-ROM • optional DVD drive • optional Zip drive • optional second battery • optional SuperDisk (LS-120) drive • optional CD-RW • optional HDD adapter; for second disk • optional ThinkPad Proven™ solutions ¹⁶ (such as Travel Bezel)		
UltraPort™ connectr	None											
Case material	Color: black; Material: ABS plastic											
Dimensions ³	Cxx: approximately 12.7 x 10.7 x 1.47-1.73"; 317mm x 267.5mm x 36.7-43.3mm Jxx: approximately 12.95 x 10.53 x 1.5-1.79"; 329mm x 268mm x 38.1-44.7mm with CD drive and battery: Cxx: 6.6 lb (3.0 kg) Jxx: 7.2 lb (3.3 kg)											
Approximate weight ²	Lithium Ion 6-cell / intelligent / supports unique 2nd battery in Ultrabay 2000											
Battery - type	3 hrs; JAU/JUU/JCU/JVU: 3.5 hrs									PC 99-compliant CIM and DMI 2.0 compliant Wired for Management 2.0 Local and remote asset management via the IBM Universal Manageability solutions IBM PC Lifecycle Care ²¹ provides proactive life cycle management and transition planning tools ENERGY STAR compliant Setup Guide, User's Reference, Windows manual Personalized Web-based support International Warranty Service ¹⁷ IBM SystemXtra® ²⁰ 24 hour x 7 day ¹⁸ toll-free hardware support during the warranty		
Battery - life ¹⁰	2 to 3 hrs / 1.5 to 2.5 hrs											
Charge time ¹⁰ - on / off												
Architecture	Intel 440MX PCiset (82443MX) / combines Host Bridge and PIIX4 in single chip / TI ¹ PCI1410 for CardBus / PCI 2.1 / 32-bit / 33MHz (graphics, EIDE, CardBus, audio, USB) / PC97338 Super I/O / ISA (diskette, serial, parallel, ext exp)											
Port replicator	Optional ThinkPad Port Replicator											
Docking Station	No support for ThinkPad Dock											
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / no Zoomed Video											
Ports	USB: One (Version 1.1) / Serial: one 9 pin / Parallel: one / keyboard/mouse / external DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet) / no infrared (4Mbps) 72 watt AC Adapter / no Asset ID™ wireless RF technology support											
Other features												
Video in and out	None											
Communicatns Bay	Communications Bay with Mini PCI IIIb slot / customer accessible											
Modem	Some models: 56K ⁶ V.90 Mini PCI modem card / Lucent® chip set											
Ethernet/modem	Some models: IBM 10/100 Ethernet Mini PCI Adapter with 56K ⁶ Modem 3Com ethernet chipset / 3Com modem chip set Some models: IBM 10/100 EtherJet™ Mini PCI Adapter with 56K Modem / Intel ethernet chipset / Lucent modem chip set											
Audio support	PCI audio / SoundBlaster Pro™ support / Intel 440MX AC97 audio support with CS4299 AC97 codec / stereo speakers / .5 watt / volume up, down, mute buttons / no int microphone / input jack (3.5 mm) / output jack (3.5 mm) / line in jack											
Security	Power-on password / hard disk password / supervisor password / security keyhole											
Limited warranty ¹²	1 year - EasyServ™.19 onsite pickup and delivery courier service											
Service options	Service upgrades ²² provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)											
Communication Bay					- 64MB SO DIMM 100MHz NP SDRAM 20L0254 - 128MB SO DIMM 100MHz NP SDRAM 20L0255 - 10GB HDD 08K9510 - 20GB HDD 27L3439 - 32GB HDD 08K9511 - Second HDD Adapter for Ultrabay 2000 08K6068 - Portable Drive Bay 2000 19K4480 (accepts all Ultrabay 2000 storage devices)							
- IBM 10/100 Ethernet Mini PCI Adapter with 56K Modem by 3Com	09N9774				- ThinkPad Port Replicator 02K8667 - Multiple Li-Ion/NiMH Battery Charger 02K6719 - ThinkPad A Series Battery (9-cell) 02K6640 - ThinkPad 72W AC Adapter 02K6699 - IBM 340MB Microdrive 00N8073 - ThinkPad Monitor Stand 2000 00N8222 - IBM Multi-Port USB Hub 00N8215							
- IBM 10/100 EtherJet Mini PCI Adapter with 56K Modem	19K5887											
Ultrabay 2000 interchangeable accessories												
- 24X-10X CD-ROM Ultrabay 2000 Drive	05K9233											
- 8X-2X DVD Ultrabay 2000 Drive	27L3448											
- Zip 250MB Ultrabay 2000 Drive	00N8253											
- 2X SuperDisk (LS-120) UltraBay 2000	27L3451											
- 4X/4X/20X CD-Read/Write Ultrabay 2000	00N8252											
- Ultrabay 2000 Li-Ion battery	02K6646											
- Travel Bezel for Ultrabay 2000	08K6070											
Wireless connectivity												
- IBM H Rate Wireless LAN PC Card 128	09N9904											
- IBM Wireless LAN Access Point 500	09N9906											

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 ® Announced February 6, 2001
 Models withdrawn effective July 2001

No warranties are expressed or implied in this summary
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IBM® ThinkPad® A21e (2655) - withdrawn

Type-model	Processor	MHz	Mem	Screen	Disk	CD	Communications	Bay Design	Modular bay	Preload	Avail
2655-21U	Celeron™	650	64MB	12.1" SVGA	20GB ⁸	24X-10X ⁹ CD	modem	Two spindle	Ultrabay™ 2000	Windows® 98 SE	Mar 01
2655-71U	Celeron	650	64MB	12.1" SVGA	20GB	24X-10X CD	modem	Two spindle	Ultrabay 2000	Windows 2000	Mar 01
2655-23U	Celeron	650	64MB	12.1" SVGA	20GB	24X-10X CD	Intel® eth/mod	Two spindle	Ultrabay 2000	Windows 98 SE	Mar 01
2655-73U	Celeron	650	64MB	12.1" SVGA	20GB	24X-10X CD	Intel eth/mod	Two spindle	Ultrabay 2000	Windows 2000	Mar 01
2655-41U	Celeron	700	64MB	14.1" XGA	20GB	24X-10X CD	modem	Two spindle	Ultrabay 2000	Windows 98 SE	Mar 01
2655-91U	Celeron	700	64MB	14.1" XGA	20GB	24X-10X CD	modem	Two spindle	Ultrabay 2000	Windows 2000	Mar 01
2655-43U	Celeron	700	64MB	14.1" XGA	20GB	24X-10X CD	Intel eth/mod	Two spindle	Ultrabay 2000	Windows 98 SE	Mar 01
2655-93U	Celeron	700	64MB	14.1" XGA	20GB	24X-10X CD	Intel eth/mod	Two spindle	Ultrabay 2000	Windows 2000	Mar 01

Processor	Intel® Mobile Celeron™ 650 or 700MHz¹ with 100MHz system bus									
L2 cache	128KB / onboard (at processor speed) / ECC									
Memory	64MB standard / 256MB max ⁷ / SDRAM / non-parity / 100MHz / PC 100 / two 144-pin SO-DIMM sockets / std memory in one socket / 1 socket available									
Diskette drive	None standard / optional USB Portable Diskette Drive or Ultrabay 2000 diskette drive									
CD or DVD-ROM	Bootable / removable from Ultrabay™ 2000									
Ultrabay 2000	Modular bay for interchangeable devices / cold (system off) swap only									
Disk (removable)	20GB⁸ / upgradeable / S.M.A.R.T. / supports 2nd disk in opt HDD adapter									
Display	12.1" (307.3mm) SVGA (800x600) TFT color / Active Matrix 14.1" (358.1mm) XGA (1024x768) TFT color / Active Matrix									
Graphics controller	ATI® Rage™ Mobility-M / PCI / 4MB SDRAM / DDC2B									
Graphics - external	External SVGA to 1024x768x16.7 million colors at 85Hz and up to 1600x1200									
Keyboard	ThinkPad Button / palm rest / TrackPoint®, Press-to-Select, Internet Scroll Bar									
ThinkLight	Illuminates the keyboard to improve visibility in low-light conditions									
UltraPort™ connectr	None									
Case material	<i>Color:</i> black; <i>Top:</i> ABS plastic; <i>Bottom:</i> glass-fiber reinforced plastic									
Dimensions ³	Approximately 12.0 x 10.4 x 1.4"; 305mm x 254mm x 35.6mm									
Approximate weight ²	with battery and optional travel bezel in Ultrabay 2000: <i>12.1" models:</i> 5.7 lb (2.59 kg); <i>14.1" models:</i> 5.8 lb (2.62 kg)									
Battery - type	NiMH 7-cell / intelligent / supports optional Li-Ion battery / does not support any battery in Ultrabay 2000									
Battery - life ¹⁰	2.5 hrs (NiMH 7-cell) / 3.0 hrs with optional Li-Ion									
Charge time ¹⁰ - on / off	3.2 to 6 hrs / 3.2 hrs									
Architecture	Intel 440MX PCIset (82443MX) / combines Host Bridge and PIIX4 in single chip / TI ⁶ PCI1410 for CardBus / PCI 2.1 / 32-bit / 33MHz (graphics, EIDE, CardBus, audio, USB) / PC97338 Super I/O / ISA (serial, parallel, external expansion)									
Port replicator	Optional ThinkPad Port Replicator									
Docking Station	No support for ThinkPad Dock									
PC Card Std slots	1 Type I, 1 Type II, or 1 Type III / CardBus 32-bit / PCMCIA 2.1 / no Zoomed Video									
Ports	One USB (Version 1.1) / one serial (9 pin) / parallel / external DB-15 monitor / RJ-11 (modem) / RJ-45 (ethernet) / no keyboard or mouse or infrared									
Other features	72 watt AC Adapter / no Asset ID™ wireless RF technology support									
Video in and out	None									
Communicatns Bay	Communications Bay with Mini PCI IIIa slot / customer accessible									
Modem	<i>Some models:</i> 56K ⁶ V.90 Mini PCI modem card / Lucent® chip set									
Ethernet/modem	<i>Some models:</i> IBM 10/100 EtherJet™ Mini PCI Adapter with 56K ⁶ Modem / Intel ethernet chipset / Lucent modem chip set									
Audio support	PCI audio / SoundBlaster Pro™ support / Intel 440MX AC97 audio support with CS4299 AC97 codec / mono speaker / 1.5 watt / volume up, down, mute buttons above keyboard									
Audio jacks	Input jack (3.5 mm) / output jack (3.5 mm) / line in jack / no internal microphone									
Security	Power-on password / hard disk password / supervisor password / security keyhole									
Limited warranty ¹²	1 year - EasyServ™ ¹⁹ onsite pickup and delivery courier service									
Service options	Service upgrades ²² provide up to three years of onsite or depot repair service coverage from date of ThinkPad purchase (including warranty period)									

Options			
64MB SO DIMM 100MHz NP SDRAM	20L0254	USB Portable Diskette Drive	05K9276
128MB SO DIMM 100MHz NP SDRAM	20L0255	ThinkPad NiMH Battery (2655), 6 cell	02K6742
256MB SO DIMM 100MHz NP SDRAM	33L3069	ThinkPad Li-Ion Battery (2655), 6 cell	02K6743
ThinkPad Removable Diskette Drive	08K9603	ThinkPad 72W AC Adapter	02K6699
SuperDisk (LS-240) UltraBay 2000 Drive	08K9616	Multiple Li-Ion/NiMH Battery Charger	02K6719
Zip 250MB Ultrabay 2000 Drive	00N8253	ThinkPad Port Replicator	02K8667
24X-10X CD-ROM Ultrabay 2000 Drive	05K9233	ThinkPad Monitor Stand 2001	22P5265
8X/4X/24X CD-RW Ultrabay 2000 Drive	08K9569	Portable Drive Bay 2000	19K4480
8X-2X DVD Ultrabay 2000 Drive	27L3448	IBM IEEE 1394 CardBus Card	19K5679
CD-RW/DVD Combo Ultrabay 2000 Drive	08K9572	10/100 Enet/56K Mini PCI (3Com)	09N9774
Travel Bezel for Ultrabay 2000	08K6070	Intel Pro/100 SP Mini PCI	06P3801
Second HDD Adapter for Ultrabay 2000	08K6068	ServicePac 3yr IOR 9x5 NBD	30L9195
15GB HDD	08K9588	ServicePac 3yr P&L P/U Depot	30L9192
30GB HDD	08K9593		
32GB HDD*	08K9511		

* Supported in Ultrabay 2000 only. Requires HDD adapter 08K6068

PC 99-compliant	
PXE 2.0-compliant	
Wired for Management (WfM) 2.0	
Local and remote asset management via the IBM Universal Manageability solutions	
IBM PC Lifecycle Care ²¹ provides proactive life cycle management and transition planning tools	
ENERGY STAR compliant	
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Personalized Web-based support	
International Warranty Service ¹⁷	
IBM SystemXtra ^{®20}	
24 hour x 7 day ¹⁸ toll-free hardware support during the warranty	