

TI Graphing Calculator comparison table

TI-84 Plus Silver Edition	TI-84 Plus	TI-83 Plus
Electronically upgradeable	Electronically upgradeable	Electronically upgradeable
2.5 times the processor speed of the TI-83 Plus	2.5 times the processor speed of the TI-83 Plus	
1.5MB FLASH ROM memory for data archive and Apps storage	480KB FLASH ROM memory for data archive and Apps storage	160KB FLASH ROM memory for data archive and Apps storage
24KB of available RAM memory	24KB of available RAM memory	24KB of available RAM memory
Preloaded Apps <ul style="list-style-type: none"> • Probability Simulation App • Science Tools App • StudyCards™ App • Vernier EasyData™ • AppArea Formulas App • Cabri™ Jr. App • Catalog Help App • CellSheet™ App • Conic Graphing App • Fundamental Topics in Science App • GeoMaster™ • Inequality Graphing App • Language Localization App • LearningCheck™ App • NoteFolio™ App • Organizer App • Periodic Table App • Polynomial Root Finder and Simultaneous Equation Solver Version 2.0 • Puzzle Pack • Start-Up Customization App • TI CBL™/CBR™ App • TimeSpan™ App • Topics in Algebra 1 (Chapters 1- 5) App • Transformation Graphing App 	Preloaded Apps <ul style="list-style-type: none"> • Probability Simulation App • Science Tools App • StudyCards™ App • Vernier EasyData™ App • Cabri™ Jr. App • Conic Graphing App • Inequality Graphing App • LearningCheck™ App • TI CBL™/CBR™ App • TimeSpan™ App • Topics in Algebra 1 (Chapters 1- 5) App • Transformation Graphing App 	Preloaded Apps <ul style="list-style-type: none"> • Probability Simulation App • Science Tools App • StudyCards™ App • Vernier EasyData™ App
USB port for computer connectivity, unit-to-unit communication with TI-84 Plus family graphing calculators and more	USB port for computer connectivity, unit-to-unit communication with TI-84 Plus family graphing calculators and more	
I/O port for communication with other TI products	I/O port for communication with other TI products	
Internal Clock with date and time display	Internal Clock with date and time display	
TI Connectivity Cable included	TI Connectivity Cable included	
TI Connectivity Cable and TI Connect™ software allow information transfer to and from a computer	TI Connectivity Cable and TI Connect™ software allow information transfer to and from a computer	
Apps are available from TI and other leading developer	Apps are available from TI and other leading developers	Apps are available from TI and other leading developers
8-line by 16-character display	8-line by 16-character display	8-line by 16-character display

Advanced functions accessed through pull-down display menus	Advanced functions accessed through pull-down display menus	Advanced functions accessed through pull-down display menus
Real and complex numbers calculated to 14-digit accuracy and displayed with 10 digits plus a 2-digit exponent	Real and complex numbers calculated to 14-digit accuracy and displayed with 10 digits plus a 2-digit exponent	Real and complex numbers calculated to 14-digit accuracy and displayed with 10 digits plus a 2-digit exponent
Graphs 10 rectangular functions, 6 parametric expressions, 6 polar expressions, and 3 recursively-defined sequences	Graphs 10 rectangular functions, 6 parametric expressions, 6 polar expressions, and 3 recursively-defined sequences	Graphs 10 rectangular functions, 6 parametric expressions, 6 polar expressions, and 3 recursively-defined sequences
Up to 10 graphing functions defined, saved, graphed, and analyzed at one time	Up to 10 graphing functions defined, saved, graphed, and analyzed at one time	Up to 10 graphing functions defined, saved, graphed, and analyzed at one time
Sequence graphing mode shows time series plot, cobweb/stair-step plot, and phase plots	Sequence graphing mode shows time series plot, cobweb/stair-step plot, and phase plots	Sequence graphing mode shows time series plot, cobweb/ stair-step plot, and phase plots
User-defined list names - lists store up to 999 elements	User-defined list names - lists store up to 999 elements	User-defined list names - lists store up to 999 elements
14 interactive zoom features	14 interactive zoom features	14 interactive zoom features
Numeric evaluations given in table format for all graphing modes	Numeric evaluations given in table format for all graphing modes	Function evaluation table shows numeric evaluation of functions in table format
Interactive analysis of function values, roots, maximums, minimums, integrals, and derivatives	Interactive analysis of function values, roots, maximums, minimums, integrals, and derivatives	Interactive analysis of function values, roots, maximums, minimums, integrals, and derivatives
7 different graph styles for differentiating the look of each graph drawn	7 different graph styles for differentiating the look of each graph drawn	7 different graph styles for differentiating the look of each graph drawn
Horizontal and vertical split- screen options	Horizontal and vertical split- screen options	Horizontal and vertical split- screen options
Stores up to 10 - 50x50 matrices	Stores up to 10 - 50x50 matrices	
Matrix operations including inverse, determinant, transpose, augment, reduced row echelon form, and elementary row operations. Convert matrices to lists and vice-versa	Matrix operations including inverse, determinant, transpose, augment, reduced row echelon form, and elementary row operations. Convert matrices to lists and vice-versa	Matrix operations including inverse, determinant, transpose, augment, reduced row echelon form, and elementary row operations. Convert matrices to lists and vice-versa
List-based one- and two-variable statistical analysis, including logistic, sinusoidal, median-median, linear, logarithmic, exponential, power, quadratic polynomial, cubic polynomial, and quartic polynomial regression models	List-based one- and two-variable statistical analysis, including logistic, sinusoidal, median-median, linear, logarithmic, exponential, power, quadratic polynomial, cubic polynomial, and quartic polynomial regression models	List-based one- and two-variable statistical analysis, including logistic, sinusoidal, median-median, linear, logarithmic, exponential, power, quadratic polynomial, cubic polynomial, and quadratic polynomial regression models
3 statistical plot definitions for scatter plots, xy-line plots, histograms, regular and modified box-and-whisker plots, and normal probability plots	3 statistical plot definitions for scatter plots, xy-line plots, histograms, regular and modified box-and-whisker plots, and normal probability plots	3 statistical plot definitions for scatter plots, xy-line plots, histograms, regular and modified box-and-whisker plots, and normal probability plots
Advanced statistics features including 10 hypothesis testing functions, 7 confidence interval functions, and one-way analysis of variance	Advanced statistics features including 10 hypothesis testing functions, 7 confidence interval functions, and one-way analysis of variance	Advanced statistics features including 9 hypothesis testing functions, 6 confidence interval functions, and one-way analysis of variance
15 probability distribution functions including Normal, Student-t, Chi-square, Binomial, and Poisson		15 probability distribution functions including Normal, Student-t, Chi-square, Binomial, and Poisson
Business functions including Time-Value-of-Money (TVM), cash flows, and amortization. Full screen interactive editor for solving TVM problems	Business functions including Time-Value-of-Money (TVM), cash flows, and amortization. Full screen interactive editor for solving TVM problems	Business functions including Time-Value-of-Money (TVM), cash flows, and amortization. Full screen interactive editor for solving TVM problems
Interactive equation solver editor allows solving numerically for different variables in an equation	Interactive equation solver editor allows solving numerically for different variables in an equation	Interactive equation solver editor for solving for different variables in an equation
Alphabetical CATALOG of all TI calculator operations in one menu	Alphabetical CATALOG of all TI calculator operations in one menu	Alphabetical CATALOG of all TI calculator operations in one menu
Programming capability with the number of programs limited only by available memory	Programming capability with the number of programs limited only by available memory	Programming capability with the number of programs limited only by available memory

Link with another TI-84 Plus Silver Edition, TI-84 Plus, TI-83 Plus, TI-83 Plus Silver Edition or TI-83. Receive lists L1-L6 from TI-82	Link with another TI-84 Plus Silver Edition, TI-84 Plus, TI-83 Plus, TI-83 Plus Silver Edition or TI-83. Receive lists L1-L6 from TI-82	Link with another TI-83, TI-83 Plus or TI-84 Plus. Receive lists L1-L6 from TI-82
USB Unit-to-unit link cable included	USB Unit-to-unit link cable included	Unit-to-unit link cable included
TI ViewScreen™ unit available that is compatible with the same TI ViewScreen™ LCD panel as the TI-82/TI-83 and the TI-Presenter™ Video Interface	TI ViewScreen™ unit available that is compatible with the same TI ViewScreen™ LCD panel as the TI-82/TI-83 and the TI-Presenter™ Video Interface	Overhead projectable unit available (same LCD as the TI-82/TI-83)
All TI-84 Plus Silver Edition student models can plug into the TI-ViewScreen™ LCD panel and TI-Presenter™ Video Interface with TI-84 Plus Presentation Link™ adapter	All TI-84 Plus Silver Edition student models can plug into the TI-ViewScreen™ LCD panel and TI-Presenter™ Video Interface with TI-84 Plus Presentation Link™ adapter	
Compatible with Calculator-Based Laboratory™ 2 (CBL 2™), Calculator-Based Ranger™ (CBR™), Vernier EasyLink™, and Vernier EasyTemp™ systems to allow collection and analysis of real-world data	Compatible with Calculator-Based Laboratory™ 2 (CBL 2™), Calculator-Based Ranger™ (CBR™), Vernier EasyLink™, and Vernier EasyTemp™ systems to allow collection and analysis of real-world data	Compatible with Calculator-Based Laboratory™ (CBL 2™) and Calculator-Based Ranger™ (CBR™) systems to allow analysis of real-world data
TI Keyboard compatible	TI Keyboard compatible	
Compatible with the TI-Navigator™ Classroom Learning System	Compatible with the TI-Navigator™ Classroom Learning System	
Kickstand Slide Case available to prop up your calculator to view display and keys better	Kickstand Slide Case available to prop up your calculator to view display and keys better	
Changeable faceplates available		
TI Product CD included with full reference Guidebook and free software Applications	TI Product CD included with full reference Guidebook and free software Applications	
Teacher Pack available in standard and EZ-spot colors (includes 10 TI calculators, 10 Getting Started Guides, and a classroom poster)	Teacher Pack available in standard and EZ-spot colors (includes 10 TI calculators, 10 Getting Started Guides, and a classroom poster)	Teacher Pack available (includes 10 TI calculators and 3 guidebooks with a classroom poster)
Powered by 4 AAA batteries with a Silver Oxide battery backup to protect RAM memory during main battery change	Powered by 4 AAA batteries with a Silver Oxide battery backup to protect RAM memory during main battery change	Powered by 4 AAA batteries with a lithium battery backup to protect RAM memory during main battery change
Impact-resistant slide case	Impact-resistant slide case	Impact-resistant slide case
One-year limited warranty	One-year limited warranty	One-year limited warranty
Free telephone support available	Free telephone support available	Free telephone support available
Supplemental activity books available. Compatible with all TI-83 Plus activity books	Supplemental activity books available. Compatible with all TI-83 Plus activity books	Supplemental activity books available
e-mail help line: ti-cares@ti.com	e-mail help line: ti-cares@ti.com	e-mail help line: ti-cares@ti.com
Workshop Loan Program - borrow TI calculators for evaluation or workshops	Workshop Loan Program - borrow TI calculators for evaluation or workshops	Workshop Loan Program – borrow TI calculators for evaluation of workshops
Volume Purchase Program: proof of purchase redeemable for additional products	Volume Purchase Program: proof of purchase redeemable for additional products	Volume Purchase Program: proof of purchase redeemable for additional products
TI calculator poster and keyboard transparency available	TI calculator poster and keyboard transparency available (shows Silver Edition version)	TI calculator poster and keyboard transparency available
Guidebook included, full Reference Guidebook available on Product CD and Guidebook Download Centre	Guidebook included, full Reference Guidebook available on Product CD and Guidebook Download Centre	Guidebook included, full Reference Guidebook available on Product CD and Guidebook Download Centre

N.B. All TI-83 Plus graphing calculators are fully compatible with TI-84 Plus family calculators.