

TI-Nspire CX II-T and CX II-T CAS Specifications

General



Storage

90+ MB storage memory /
64MB operating memory



Power

TI-Rechargeable Battery (included)
USB port for computer connectivity



Connector

Standard A to Mini-B USB Cable
included

Screen



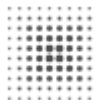
Color

Backlit display



Size

320 x 240 pixels (3.2" diagonal)



Resolution

125 DPI; 16-bit color

Built-in Functionality

- **Computer Algebra System (CAS) capabilities (TI-Nspire™ CX II-T CAS only.)**
- **CAS can be disabled**
- Function, parametric, polar, sequence, and 3D graphing
- Multiple graphing functions can be defined, saved, graphed and analyzed at one time
- User-defined list names in Lists & Spreadsheet
- Eleven interactive zoom features
- Numeric evaluations in table format for all graphing modes
- Interactive analysis of function values, roots, maximums, minimums, integrals and derivatives
- Six different graph styles and 15 colors to select from for differentiating the look of each graph drawn
- Matrix operations: transpose and augment matrices; use elementary row operations; find inverse, determinant and reduced row echelon forms; convert matrices to lists and vice versa; calculate eigenvalues and eigenvectors
- 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
- Three statistical plot definitions for scatter plots, xy-line plots, histograms, regular and modified box-and-whisker plots, and normal probability plots
- Advanced statistics analysis, including 10 hypothesis testing functions, seven confidence interval functions and one-way analysis of variance
- Eighteen probability distributions functions, including the cumulative distribution function (CDF), probability density function (PDF) and inverse probability distribution

function for normal, chi-squared, t-, and F- distributions; and the CDF and PDF for binomial, geometric and Poisson distributions

- Built-in interactive geometry capabilities
- Quick alpha keys
- Simple drop-down menus – emulate the intuitive operation of familiar computer features
- TI-Nspire™ Documents (.tns files) — compatible with TI-Nspire™ Software, TI-Nspire™ handhelds and TI-Nspire™ Apps for iPad® — can be created, edited, saved and reviewed
- Use images (.jpeg, .jpg, .bmp, .png formats) that can be overlaid with graphical elements
- Explore mathematical expressions in symbolic form, see patterns and understand the math behind the formulas
- Visualize of multiple representations of a single problem algebraic, graphical, geometric, numeric and written
- Chem Box feature allows easy input chemical formulas and equations
- Manipulate linked representations of properties to instantly update the others and show meaningful connections without switching screens (e.g.. grab a graphed function and move it to see the effect on corresponding equations and data lists)
- Features a dedicated programming environment as well as programming libraries for global access to user-defined functions & programs
- Upgradeable OS and computer software

Data Collection Support

- Compatible with TI-Nspire Lab Cradle, Vernier EasyLink® USB Sensor and Vernier EasyTemp® temperature sensor systems to allow collection and analysis of real-world data

Programming

- Different options for coding languages including Python and TI-Basic.
- Features a dedicated programming environment as well as programming libraries for global access to user-defined functions and programs.