

Schematic System for Designing Circuit Boards

E³.logic

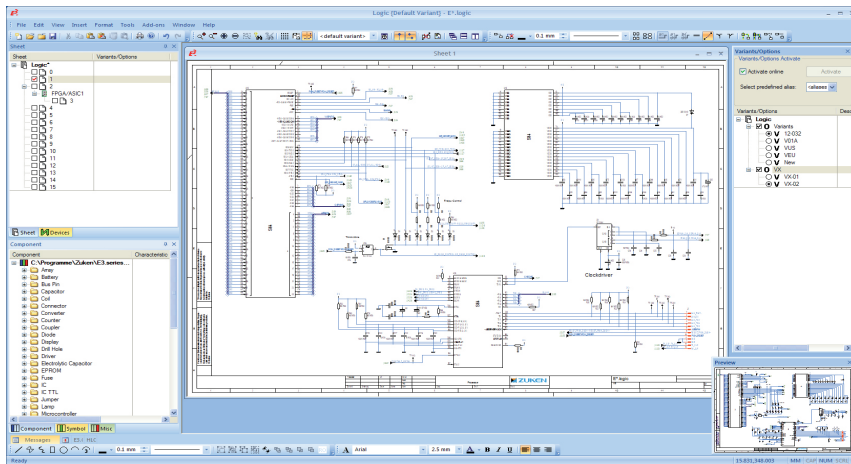
D A T A S H E E T

Introduction

E³.logic is a complete and open CAD solution for the creation of circuit diagrams used in electronic design. E³.logic permits parallel development by different design teams.

E³.logic is based on a common component and symbol database, which ensures the consistent display of circuit diagrams throughout a product's entire lifecycle.

E³.logic can be used as an integrated frontend system for Zuken's Desktop PCB solution CADSTAR – from schematics up to testing. At the press of a button E³.logic designs can be re-used as functional blocks in E³.cable for system documentation, thereby all relevant connector data, signals and attributes are automatically transferred.



E³.logic – Schematics for electronic design, modular layout

The E³.series Standard

- Completely integrated in Windows® environment
- User-interface in numerous languages; easy to switch
- Supports all Windows® fonts using UNICODE
- Configurable user interface and toolbars
- Object-oriented user interface with possibility to directly integrate in other applications
- Display drawings using different norms (DIN, ANSI, JIC)
- Supports any sheet format, e.g. DIN, Ladder, special formats
- Translate texts into any language
- Search mechanisms for symbols, devices, connections, texts and attributes...
- Context-sensitive Online Help
- 256 object-related display levels
- Print and plot using all Windows® standard drivers
- Supports standard formats like STEP, DXF/DWG, SVG, PDF, pixel graphics
- Bidirectional API (COM/DCOM Standard)
- Integrated database editor
- Compatible with all previous E³.series versions

The E³.series Base Functionality

- Automatic and parallel connections
- Drag & Drop
- Dynamic zooming and panning
- Save, load, copy, rotate and mirror drawings and areas
- Extensive functionality for exchanging symbols and components
- User-defined connection attributes
- User-defined grid sizes, fonts and line types
- Online cross-references for connections and devices
- Object and text hyperlinks also within E³.series projects
- Continuous verification of adherence to manufacturing specifications, such as multiple assignment of symbols and overcrowding of components

Special Functionality in E³.logic

- Hierarchical design – nesting to any depth
- Re-use of standard modules in schematics and PCB layout
- Busses and bus pins
- Supports supply nets
- FPGA Integration
- Placement variants
- Define net route codes, net classes and spacing classes
- Specifications for test points
- Forward/backward annotation with CADSTAR PCB
- Crossprobing with CADSTAR PCB

Additional E³.series Modules

E³.view

E³.view is the free-of-charge viewer for all E³.series projects (.e3s) and special viewer files (.e3v). It can be used by anyone within a company or passed on to suppliers and customers.

E³.schematic

E³.schematic is the E³.series base module. Easy to use and operate. Provides complete functionality for electrical design, including inline terminals and connection plans.

E³.fluid

E³.fluid is the integrated design system for hydraulics, pneumatics, cooling and lubrication. Special functionality supports the development of fluidics in connection with electrical design.

E³.cable

E³.cable offers enhanced functionality for designing cables and cable harnesses. Different views of the design enable specific documents to be created for production, start up and service.

E³.panel

E³.panel is the module for panel layout and wiring. Optionally design the panel in 2D or 3D, place all devices and automatically connection wire pathways as specified.

E³.formboard

E³.formboard – the module used to create 1:1 nailboard drawings for manufacturing cable harnesses. Quickly and easily place views, define the cable harness structure as well as specify the mounting and cable protection.