

EZRackPLC™ Designer Pro Software Layout

Online Simulate

Online / Simulate

Go online with the PLC or simulate your ladder logic using the built-in simulator. When in Simulation mode, you can see exactly how the LEDs would light up as if the hardware is actually present!

EZ Access Tree Menu

Quickly access various setup and control parameters of the EZRack PLC. Tree includes:

- Ladder Logic
- Subroutines
- Hardware Setup
- Communication Setup
- Tag/Message Database
- PID Tuning
- CPU Control
- Monitor/Debug

Communication Setup

Serial / USB, Ethernet, Wifi or Simulator mode connectivity. Choose how to communicate.



Debug

Start/Stop debug mode, Single step debugging, Enabling/disabling outputs and forcing I/O. Great for troubleshooting.



Ladder / Graphical Layout

Switch between ladder diagram or IO Graphical layout as seen on the physical PLC. Both modes are great for debugging and simulation!



PLC Communication Toolbar

Quick access icons for CPU Info and control

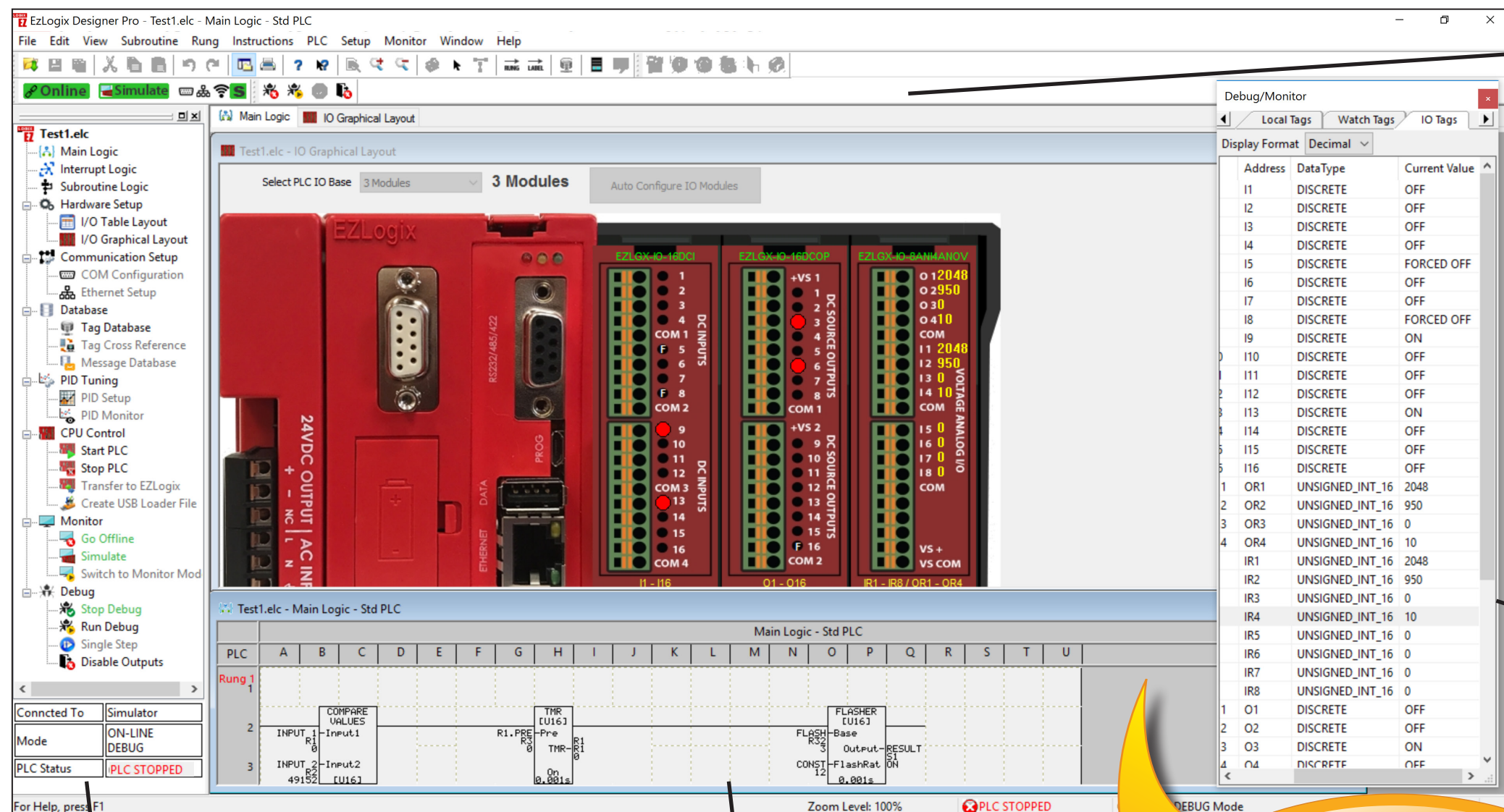
Instructions / Function Blocks
Toolbar for extensive ladder instructions / Advanced function blocks, datalogging and IIoT setup.

Ladder Space
Simple free flow drag-n-drop ladder logic programming

PLC Status
Quick indication of current state of PLC whether in Online mode, Simulation mode, Debug mode or Offline mode

Connected To	Simulator
Mode	ON-LINE MONITOR
PLC Status	PLC STARTED

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“Virtual” PLC Layout

Select I/O base when in Offline mode to automatically configure your I/O. If your PLC is connected, the EZRack PLC Designer Pro automatically detects which I/O module is in its respective slot.

When in simulation mode you can test for free your ladder logic program as if you have the hardware right in front of you. Force any discrete I/O to an ON or OFF state and see the corresponding LEDs light up on the simulator. Force an analog value and see corresponding output logic values virtually on the PLC Simulator.

Debug/Monitor Modes (Break-point and Tags Table)

- Break-point troubleshooting
- See all local tags
- See all watch tags
- See I/O tags
- See all PLC tags
- Troubleshoot using Force I/O

CPU Status

Quick indication of current state of PLC whether in Online mode, Simulation mode, Debug mode or Offline mode.

Ladder Logic

Monitor and debug your ladder logic while online or in simulation mode

Simultaneously view tags, ladder logic and virtual PLC when online with CPU or in simulation mode