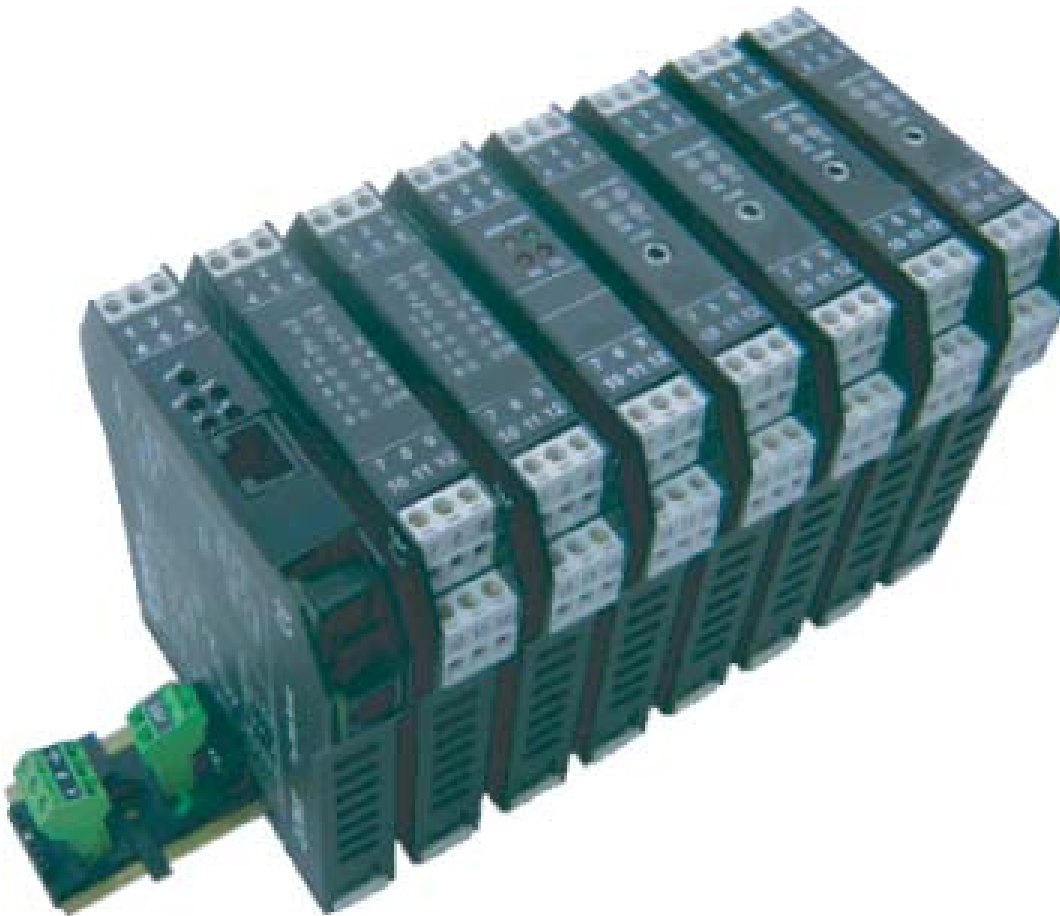


# Z-Net

Intelligent Distributed Automation & Control



- MULTI-FUNCTION CONTROL UNITS (RTU, PLC, DATALOGGER)
- WEB SERVER FUNCTIONALITY & ETHERNET CONNECTIVITY
- ANALOG & DIGITAL IO MODULES FOR ALL SIGNAL TYPES
- COMMUNICATION MODULES
- SOFTWARE & ACCESSORIES

### MODULAR SOLUTION

Modular packaging of RTU and IO Modules for easy system design

### PROCESSING POWER

32 and 64-bit high performance PLC/RTU Modules

### IO FLEXIBILITY

Built-in signal conditioning and isolation support multiple sensor types.

### OPEN ARCHITECTURE

IEC-1131 compliant programming support

### EASY INTERFACE

Multiple Interfaces include Web, OPC, FTP, TCP/IP, Modbus & Profibus.

### FLEXIBLE MOUNTING

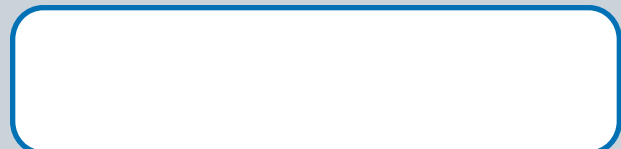
All units support both DIN-rail and Panel Mounting

### INDUSTRIAL SPECS

All units designed to operate at 0-60°C and up to 95% R.H.

### AGENCY APPROVED

CE, UL and CSA approvals plus Class 1, Div. 2 on some units



## KEY COMPONENTS

### DESCRIPTION

### KEY MODEL NUMBERS

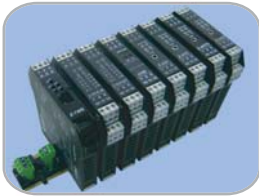
#### Z-NET CONTROL MODULES/RTUs



Z-NET RTU, PLC and Ethernet Bridge Modules turn stand alone Z-NET Remote IO modules into an easily programmable (in 7 standard programming languages) RTU/PLC with built-in web server functionality, creating an immensely powerful yet cost effective automation system.

- IOS-ZNET-RTU32 32-bit RTU/Web Server
- IOS-ZNET-RTU64 64-bit RTU/Web Server
- IOS-ZNET-PLC PLC/Web Server
- IOS-ZNET-TCP Ethernet Bridge
- IOS-ZRTU-01 Fully Integrated RTU with local IO and comms (16DI, 8DO, 4AI, 2AO)
- IOS-ZRTU-02 Fully Integrated RTU with local IO and comms (8DI, 4DO, 2AI, 1AO)
- Option G/P GPRS (G) or PSTN Modem (P) options for ZRTU's

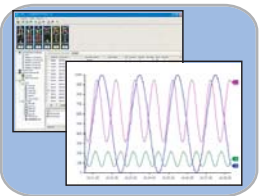
#### Z-NET ANALOG & DIGITAL REMOTE IO MODULES



Z-NET Remote IO Modules provide both universal analog IO (up to 8 channels per module) that support all sensor types, and universal digital IO (up to 10 channels per module) that support both control and status functions. PID function modules, and stand alone DAQ modules round out the offering. All modules communicate via Modbus for ZNET Control Unit (and legacy equipment) connections.

- IOS-ZNET-AI4 4-channel Analog Input Module w/ Transmitter excitation
- IOS-ZNET-AI8 8-channel Analog Input Module
- IOS-ZNET-TC4 4-channel Thermocouple Input Module
- IOS-ZNET-TC8 8-channel Thermocouple Input Module
- IOS-ZNET-RTD4 4-channel RTD Input Module
- IOS-ZNET-AO3 3-channel Analog Output Module
- IOS-ZNET-DI5 5-channel Digital Input Module
- IOS-ZNET-DI10 10-channel Digital Input Module
- IOS-ZNET-RO5 5-channel Relay Output Module
- IOS-ZNET-DO10 10-channel Digital Output Module
- IOS-ZNET-DIO Multifunction Digital IO Module (6 DI, 2 Relay Out, timing/control logic)
- IOS-ZNET-PID Programmable PID Module with (1) Universal AI (DC, TC, or RTD) and (1) DC Output (mA or V).

#### Z-NET SOFTWARE TOOLS & ACCESSORIES

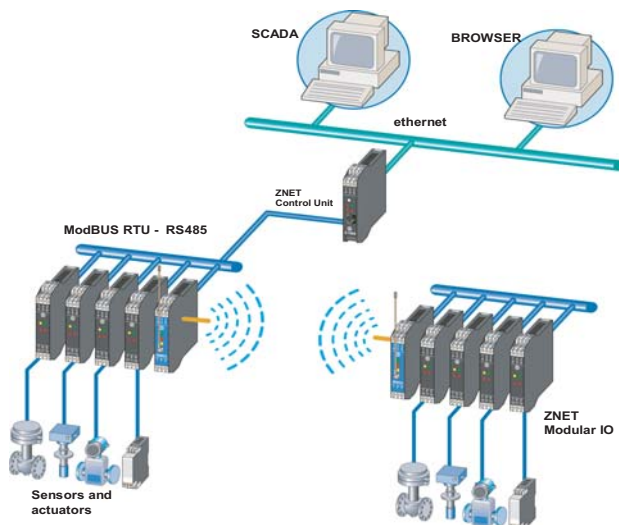


ioSelect offers a full suite of software accessories for the configuration and implementation of simple to complex system architectures. From sensor interface to operator visualization, standard off-the-shelf tools are available.

- IOS-ZNET-PROGIO Z-NET IO MODULE CONFIGURATION SOFTWARE (w/ web page editor)
- IOS-ZNET-TOOLBOX Z-NET DATA MANAGER SOFTWARE (basic, 5, 10, & unlimited remotes)
- IOS-ZNET-OPC Z-NET OPC SERVER FOR COMMUNICATIONS AND DATA ACCESS
- IOS-ZNET-OCX Z-NET ActiveX OBJECT FOR DATA VISUALIZATION
- IOS-ZNET-ISAGRAF ISAGRAF PROGRAMMING SOFTWARE (64 & 256 TAG VERSIONS)
- IOS-ZNET-DR Z-NET DATA RECORDER SOFTWARE (2, 4, 8, 16, 32 & 64 chnl versions)
- IOS-ZNET-TRAINING Z-NET Onsite Training Programs

## OPERATING MODE EXAMPLES

### Local Automation & Data Acquisition



### Distributed Automation & Control

