AnyNET-I/O® Specialty I/O

PLC-Based Specialty I/O Solutions

AMCI's AnyNET-I/O family is a distributed I/O system that combines hard to find specialty functions with a network interface, simplifying installation and cutting costs. The product family allows users to "mix & match" functions, including stepper motion control and a variety of sensor interfaces, in a single solution.

AnyNET-I/O is compatible with any networked PLC/PAC and easily programs through the host PLC's software. Its innovative product design simplifies installation, optimizes network performance, and ensures system integrity.

With over 20 years of success in the design and manufacturing of industrial control solutions, you can rely on AMCI's expertise when purchasing your next PLC-based Specialty I/O solution.

Compatible PLCs/PACs

Rockwell Automation — Allen-Bradley

SIEMENS

Schneider Electric

ABB

...others

Available Networks

EtherNet/IP

Modbus-RTU

Modbus

PROFIBUS

Programming

All programming is performed by the same software used to configure the host PLC/PAC, eliminating the need to learn new software and/or language foreign to your controls environment. An optional GUI interface is available for user orientation & test bench evaluation.

Modular Design

AnyNET-I/O easily expands from 1 to 6 I/O modules by stacking additional units onto the "gateway", and only requires a single network connection for all communication. This innovative design allows you to combine different specialty functions on a single network connection, letting you customize powerful automation solutions for any PLC-based application.

AMCI
ADVANCED MICRO CONTROLS INC.
www.amci.com

PLC or PAC   **AMCI AnyNET-I/O**

Network Interface

Expansion

Ch #1   Ch #12

Stepper Motion

Integrated Stepper Controller + Drive
ANG1 (1-Axis)

Each module provides 1 axis of motion with encoder feedback, allowing you to expand up to 6 axes of motion control using a single network connection.

Features:
- Integrated stepper controller & driver
- Expandable:1 to 6 axis of motion control
- Hybrid control: servo performance, using stepper hardware
- Encoder feedback: operate open or closed loop

SSI

SSI Interface
ANE2 (2-Channel)

Each module provides 2 channels, allowing you to interface up to 12 SSI sensors using a single network connection.

Features:
- Direct interface to most gray code or binary SSI sensors
- Expandable: supports up to 12 SSI sensors
- Ability to scale encoder data to Engineering units
- User programmable inputs: capture or apply preset functionality

Resolver

Resolver Interface
ANA2 (2-Channel)

Each module provides 2 channels, allowing you to interface up to 12 resolver sensors using a single network connection.

Features:
- Direct interface to most transmit Resolver sensors, - all mfrs & types
- Expandable: supports up to 12 resolver sensors
- 16-bit resolution (up to 65,536 counts)
- Provides absolute position and velocity data
- Ability to scale resolver data to Engineering units

LVDT/RVDT

LVDT/RVDT Signal Conditioner
ANR2 (2-Channel)

Each module provides 2 channels, allowing you to interface up to 12 LVDT or RVDT sensors using a single network connection.

Features:
- Direct interface to 3-wire, 4-wire, 5-wire, 6-wire, and half bridge LVDT sensors
- Direct interface to leading RVDT sensors
- Expandable: supports up to 12 LVDT/RVDT sensors
- Digital technology eliminates the need for potentiometers

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