The SINC/3-3000 is a microprocessor based Multi-port System Interface that provides communication access to a network of ASI controllers from a system host computer or modem. The SINC/3 provides the electrical interface between the RS-232 full duplex communication, and four RS-485, 1/2 duplex balanced line communication buses. Red and green LEDs indicate receive and transmit status of the Direct, Modem, RS-232 ports and System and Local RS-485 communication busses. It communicates using ASI communication protocol messages at Up to 19,200 baud. The RS-485 inputs and outputs are protected with 1/8 A pico fuses. The 24 Vac power input is protected with a 1/2 A fuse.

The SINC/3-3000 supports dial-in or dial-out on a dedicated RS-232 modem port. The SINC/3 also supports EtherLink TCP/IP communications on the modem port. Alarm and Event Notify events can be passed from the system bus, through the SINC/3 and EtherLink to Alarm Monitor at a remote IP address.

The SINC/3-3000 supports token passing on the System bus. It can also be configured as an RS-232 access device for a token passing system bus.

The SINC/3-3000 supports polling on the Local Busses and allows pass-through communication from the System bus, the Modem Access Port or the Direct Access Port to the local buses.

The SINC/3-3000 comes with a real time hardware clock and can broadcast time on the network and can be used to synchronize time on networks of ASIC/2 or ASIC/1 controllers.

The SINC/3-3000 can act as an optional baud rate buffer to allow networks communicating at differing baud rates to be linked. A typical application would be a modem link at 9600 baud connected directly to a control system at 19,200 baud. One could also add new controllers communicating at up to 19,200 baud to a building that has existing ASIC/1 controllers at 1200 baud.

The functions of the SINC/3-3000 are determined entirely by the configuration held in non-volatile EEPROM memory that retains program data during power interruption.

The controller is easily configured using Windows™ based ASI configuration software, ASI Expert, in a PC to set parameters such as Access and System Baud Rate, Access and System Bus Addresses. Comprehensive documentation is available in Windows™ Help format, which may be run in one window while setting up the controller in another window.
Specifications

**Power Supply**
- Supply Voltage: 24 Vac @200 mA
- Power: 12 VA Maximum
- Fuse: 1/2 A fuse
- Optional: 10 Vdc @200 mA

**RS-232 Communication (2)**
- Function: Direct Access DCE and Modem Access (DTE)
- Format: RS-232, full duplex
- Protocol: ASI Open Protocol
- Baud Rate: Selectable at 1200, 2400, 4800, 9600, or 19,200 baud.
- Access Address: 16 bit

**RS-485 Communication (4)**
- Function: System Bus and 2 Local Busses
- Format: RS-485, 1/2 duplex
- Protocol: ASI Open Protocol
- Protection: 1/8 A Pico-fuse
- Baud Rate: Selectable at 1200, 2400, 4800, or 9600, or 19,200 baud.
- System Address: 16 bit

**Indication**
- Power: Red LED
- Direct/Modem: 2-Rx Red and Tx Green LED
- Local/System: 2-Rx Red and Tx Green LED
- Status: 4 Amber LED

**Terminations**
- Power: 24 Vac, 3 position screw terminal or +10 Vdc, Center Positive
- RS-485: 4 each, 3 position screw terminals

**Physical**
- Dimensions: Length 6.00" (152 mm) x Width 8.00" (2.03 mm) x Height 2.0" (51 mm)
- Mounting: Bracket, 0.75" x 9.0" (19 mm x 229 mm)
- Weight: 1.0 lb (0.45 kg)

**How to Order:**
- Order Number
  - SINC/3-3000 with enclosure: SINC/3-3000
  - SINC/3 Power Supply 10 Vdc/120 Vac: SINC/3-AC

**Software & Documentation:**
- Order Number
  - ASI Expert Configuration Software: ASI Expert

**Accessories:**
- Order Number
  - EtherLink Network Connection Device: EtherLink
  - ASI Compatible Modem: TELMODEM
  - Communication 1/8 A Pico Fuse - each: PFK-125