



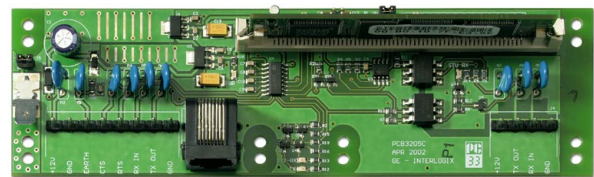
ATS1806

ATS Universal Interface for an Ethernet based IP connection

Product Overview

The ATS1806 Universal Interface (Universal Interface) acts as a gateway between an ATS alarm panel and the outside world. It includes an embedded web server to enable the installation technician to program all the necessary configuration options of the Universal Interface by means of a web browser on a computer.

The Universal Interface enables an ATS control panel to communicate with the monitoring station and/or security management systems via the Internet protocol (IP).



Reporting Facilities

With the ATS1806 you will have the full benefit of alarm reporting over IP, using SIA, XSIA or CID. As a standard solution the Osborn Hoffmann front-end receiver will be able to receive the reporting format and protocol.

Depending on the central station individual solutions can be created to configure the receiving environment.

The Utility Functions

The utility functions of the ATS1806 comprehend the next features:

- Auto enroll
- Restart communications
- Local Event Log
- System status
- CPU load
- System uptime
- Flash ROM version
- Reboot CPU

These utilities require no programming.

LED indications

- TX — Red LED indicates RS232 data transmission to Computer and Printer Interface.
- RX — Green LED indicates RS232 data reception from Computer and Printer Interface.
- PWR — Indicates power supply.

Standard Features

- IP communication for ATS3000/ATS4000 Series
- ATS System component
- Interfaces via ATS1801 (computer interface)
- Uses SIA, XSIA and Contact ID
- Configurable using a web browser
- Static (fixed) IP addresses, No proxy
- Port number: configurable
- Low bandwidth requirements
- Small packets (typical 60-100 bytes)
- Poll rate adjustable (1- 255 seconds)
- TripleDES Encryption
- Built-in firewall
- Firmware can be upgraded via Web Browser
- Management functions implemented

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Specifications

| Software | Description |
|------------------------|---|
| Configuration | CID/SIA |
| Software upgrade paths | Upgradeable software obtainable from GE Security. |
| Reporting options | GE Security Network Receiver CID/SIA |
| Reporting backup | PSTN dialler, ISDN or GSM backup |
| Encryption | 128-Bit Twofish data encryption (with management software) Triple DES encryption (with OH-Network Receiver.) |

Typical TCP packet sizes

| Traffic type /Direction | Total bytes |
|-------------------------------------|-------------|
| Poll /Software > panel | 85 |
| Ack, no data/Software < panel | 85 |
| Ack, COS event/Software < panel | 99 |
| Ack, SIA/CID event/Software < panel | 107 |

Network primitive frame size

| | |
|----------------|-----------|
| Ethernet frame | 64-1522 |
| IP Frame | 20 + data |
| TCP Frame | 20 + data |
| UDP Frame | 8 + data |

Hardware

| | |
|---------------------|---|
| Power supply | 12 V DC direct from auxiliary power from ATS panel or from DGP or other 12 V DC |
| Backup power | Battery supply via ATS Panel |
| Current consumption | 80mA |

Onboard status indicators

| | |
|---------------------|---------------------------------|
| LED indicators for: | Power |
| | Ethernet link and activity |
| | RS232 data transmit and receive |

Data connection

| | |
|------------------------------------|---|
| From panel to Universal Interface: | RS232 port connection from Universal interface to Port 1 connection on computer interface board if installed 10 Mbit RJ45 Ethernet interface |
|------------------------------------|---|

| | |
|------------|-------------|
| Board size | ATS BB Size |
|------------|-------------|

| | |
|----------------------------------|---|
| Data reset and refresh functions | CPU reset via jumper (J2). CPU reset via browser (Reboot CPU). Data reset to factory defaults via jumper (J8) Restart Communications via browser |
|----------------------------------|---|

Ordering Information

| Part No. | Description |
|----------|---|
| ATS1806 | ATS Universal Interface for an Ethernet based IP connection |
| ATS1801 | ATS Computer and printer interface |



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