

# ATS-IP-KIT

## Kit of ATS1809 Universal Interface for an Ethernet based IP and ATS1801

### Product Overview

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The ATS1809 Universal Interface (Universal Interface) acts as a gateway between an ATS MASTER 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 at the same time via the Internet protocol (IP).

The ATS1801 Computer Printer interface is used to connect the ATS1809 via RS232 to the ATS MASTER panel. In addition the ATS1801 provides for an additional printer port.

### Reporting Facilities

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With the ATS1809 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 and process the events and forward these to central station applications.

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

### LED indications of ATS1809

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- 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.



### Details

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- IP communication for ATS2000/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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### Technical specifications

#### Network

Communicator type IP

#### Reporting

Supported receivers Osborne Hoffman (OH)

#### General

Product line ATS Master

#### Electrical

Power supply value 12 V DC direct from auxiliary power from ATS panel or from DGP or other 12 V DC

#### Configuration

Via Web interface

#### Software upgrade paths

Upgradeable software obtainable from Interlogix.

#### Reporting options

Interlogix OH Network Receiver CID/SIA/XSIA

#### Reporting backup

PSTN dialler, ISDN or GSM backup

#### Encryption

128-Bit Twofish data encryption (to management software)

Triple DES encryption (to OH-Network Receiver.)

#### Typical TCP packet sizes

Traffic type /Direction Total bytes

Poll /Software > 85  
panel

Ack, no data/Software < 85  
panel

Ack, COS event/Software 99  
< panel

Ack, SIA/CID 107  
event/Software < panel

#### Network primitive frame size

Ethernet frame 64-1522

IP Frame 20 + data

TCP Frame 20 + data

UDP Frame 8 + data

#### 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 (ATS1809) + 25 - 150 mA (ATS1801)

#### Onboard status indicators ATS1809

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  
100 Mbit RJ45 Ethernet interface

#### Board size ATS1809

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

#### Mounting of ATS1801

On the ATS MASTER panel

As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.

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