

# a3imuth

## PIOS 2300 – Input/Output Device.

**Alarm generation**  
**I/O remote control**  
**DHCP client**  
**Full Network Management via web**  
**Back up and Restore configuration**  
**PPPoE over Ethernet**  
**TCP/UDP Server/ Client support**  
**Dynamic DNS**  
**Auto - crossover detecting & auto -**  
**Negotiating 10/100Mps Ethernet**

Courtesy of Initsys Limited, the PIOS input output system is used when there is a need for a large array of input/output modules and access control devices. It has been designed specifically for the protection of prisons, military component stores and other high risk establishments. You may use PIOS with confidence where ever you require absolute protection of doors, safety devices and other input and output scenarios.

PIOS has its own setup control systems for engineers enabling them to work on the network without the requirement of being in the control room. This allows the visualisation of the location of the devices and their status.

This particular device, the PIOS 2300 is an IP input/Output device that has been designed and built specifically for the Initsys Ltd PIOS Software for ultimate access security. Coupled with the PIOS 670M and PIOS 670P Door access device, the PIOS 2300 can provide the very best in facility security.



## Hardware

|                       |                      |
|-----------------------|----------------------|
| CPU                   | 16 bit CPU, 100MHz   |
| Memory                | 256 K ROM & 1M SDRAM |
| Watch Dog             | Yes                  |
| Power Requirement     | DC 9~30V, 500 mA     |
| Operating Temperature | 0°C ~ 65°C           |
| Operating Humidity    | 5% ~ 95%RH           |
| Storage Temperature   | -20°C ~ 85°C         |
| Dimension             | 127 X 37 X 110 mm    |
| Weight                | 430 g.               |

## Interface

### Ethernet

1 RJ-45 Port : 10/100Base-T, half/full duplex, Auto Cross Over, 1.5 KV Magnetic protected

### Serial

| PORT | Interface | Port Type      | Signals                         | Protection |
|------|-----------|----------------|---------------------------------|------------|
| COM1 | RS-232    | Screw Terminal | TxD,RxD,RTC,CTS,DTR,DSR,DCD,GND | 15KV ESD   |
| COM2 | RS-485    | Screw Terminal | D+, D-                          | 15KV ESD   |

### I/O

|                      |   |
|----------------------|---|
| 18 channel I/O       | 12 DI/ 6 DO   |
| Input                | Optical Isolation: 2,500V(DC)<br>Over-voltage Protect: 70V(DC)<br>Dry Contact |
| Output               | Optical Isolation: 2,500V(DC)<br>Contact rating: AC:120V@ 0.5A<br>DC:30V@ 1A  |
| Total switching time | 10m sec (on:7/off:3)  |

### Setting

|           |   |
|-----------|---|
| ›Ethernet | Static IP/DHCP Client/PPPoE   |
| ›Serial   | Parity Check : None, Even, Odd, Mark, Space<br>Data bits : 5, 6, 7, 8<br>Stop bits : 1, 2 Flow Control: RTS/CTS, XON/XOFF |

### Support OS

Windows XP, Windows 2000, Windows NT, Windows95/98 ME, Linux, UNIX

### Protocol

TCP, IP, UDP, Telnet, ARP, DHCP, ICMP, SMTP, PPPoE, HTTP, DDNS

### Operation Mode

- › Support TCP/UDP Server/Client mode.
- › User name & password protected for web management
- › Built-in Http server for set up and remote management via any browser easily
- › Support backup & restore system configuration data
- › Support Windows 95/98/ME/NT/2000/XP/2003 virtual COM drivers

