



ComView IPS is a compact, multi-functional device designed for remote equipment access, control, and alarm monitoring applications

ComView IPS integrates a high-performance 32-bit processor, two serial ports, two 10/100 Ethernet ports, four logical IP ports, V.92/56K global modem, four contact sensing inputs, two digital outputs, a built-in UPS, and a suite of access security and management application software in a small, standalone hardware device. It allows you to connect to a wide range of serial and IP network administered equipment as well as environmental sensors and devices at the remote equipment site.

ComView IPS supports user-definable access policies based on user accounts, callback, caller ID, TACACS+, port access privileges, allowable access time window, and user commands to let you control access. Supported networking security features such as IPsec VPN, OpenVPN, and IP filtering firewall can then be used to further secure its access.

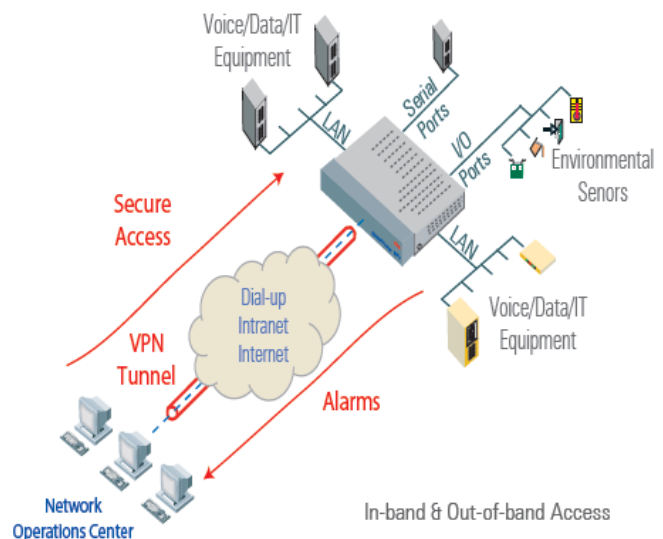
ComView IPS is capable of monitoring alarm conditions at its contact inputs, serial ports, and network ports according to user-definable alarm signatures. It can filter, escalate, and automatically deliver alarm messages to multiple locations in different notification formats over dial-up and/or network connection.

To let you do more, ComView IPS allows you to configure each of its serial and logical IP ports to different modes of operation: direct access, raw data collection & buffering, and/or alarm monitoring. Perl scripts can also be run at each port either interactively or automatically using the integrated task scheduler to perform any tasks you require; for example, routine system administration or corrective action in response to an alarm event.

The unique implementation, capabilities, and flexibility of ComView IPS allow it to be readily integrated with your network management platform; making ComView IPS the right solution for your remote equipment administration, management, monitoring, and other services delivery.

Applications

- Remote administration of serial & IP-based equipment
- Equipment access control
- Secure out-of-band access
- Real-time alarm monitoring
- SNMP mediation
- Data collection
- Administrative task automation
- IP to serial connectivity
- Dial-up to IP networks
- Standardize equipment access
- Standardize equipment access



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Hardware

- Low-power, high performance 32-bit processor
- Global 56K/V.90 modem
- 2x10/100Mbps Ethernet ports
- 1 +1 serial ports
- 1 local access port, configurable for serial port
- 4 logical IP ports
- 4 contact inputs
- 2 digital outputs
- 128Mb memory
- 32Mb Flash memory
- Integrated UPS, min. 1-hour operational backup
- 9Vdc power supply
- Dimensions: 6" (W) x 5.25" (D) x 1.75" (H)
- Weight: approx. 1 lb
- Chassis: painted aluminum, wall mountable

Features

- Embedded UNIX operating system
- Perl scripting language
- Task scheduler
- Script-based dialog or passive data capturing for raw data collection or alarm extraction
- Alarm qualifications and classification into critical, major, minor with escalations on thresholds
- Alarm notification:
 - SNMP traps over network and/or PPP dial-up
 - ASCII message over dial-up or TCP socket
 - Zmodem transfer

- Email messaging
- Map ASCII events to SNMP traps
- Map contact conditions to SNMP traps
- Monitor SNMP traps
- Definable corrective action on alarm event through scripts
- Data capturing and alarm monitoring through logical IP ports
- Transparent access to serial ports
- Transparent access to serial ports
- Dial-up access to LAN
- Direct IP to Serial connection
- Online monitoring of incoming data stream
- Online monitoring of contact input conditions
- Monitoring of TCP/IP protocol servers for operational status
- Self-diagnostics, operational integrity checks, and notification
- Self-extracted downloadable configuration text files and software upgrades
- Control of optional external AC power module (controls AC power by turning it On/Off or cycling)
- Customizable software

Security

- OpenVPN networking
- IP Filtering firewall/router
- Network address translation (NAT)
- ASCII dial-up access with callback support
- PPP (CHAP) dial-up access with Windows® compatible PPP callback
- Definable user profiles, access privileges
- Definable port-level access restriction

- Definable user command access restriction
- Definable access time window
- TACACS+ AAA with access control over individual user commands
- SSH-based access
- IPv4/IPv6 networking
- IPsec VPN networking
- Secure lock-down mode operation (disable unused network services)
- Online monitoring of user activities
- Definable user inactivity timer to log out user
- Definable user inactivity timer to terminate dialog session
- SSL-enabled Telnet
- sFTP
- Access log
- Audit log via TACACS+
- 3DES, DES, AES, Blowfish, Arcfour
- Public Key, RAS1, RSA, DSA, MD5, SHA1, X11

Protocols

- ASCII, PPP(CHAP), Zmodem
- TCP, UDP, ARP, ICMP
- Telnet, SSH(v1&v2), FTP, HTTPs
- SNMP, DHCP
- IPv4/IPsec, IPv6
- SSL(v2/v3), TLS(v1)

Ordering Information

ComView IPS-32A-128M-56

About CSS

CSS is a developer and manufacturer of hardware and software solutions for critical network infrastructure equipment management. Our solutions enable different industry sectors to remotely monitor and manage network assets reliably, efficiently, and cost effectively.

CSS Inc.
151 Superior Blvd.
Unit 13 and 14
Mississauga, Ontario
L5T 2L1
CANADA
P: +1 905 564 6674
F: +1 905 564 6679
E: Info@csstel.com
W: www.csstel.com

