ComView IPx is a multi-functional device designed for remote equipment access, control, and alarm monitoring applications that require a high level of integration of serial and network connectivity

ComView IPx integrates a 18-port intelligent console server, a 3-port 10/100 Ethernet firewall router, an 8-port 10/100 Ethernet VLAN switch, an 18- logical IP port server, an IPSec VPN/OpenVPN gateway, 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 1U rack mountable, standalone hardware device.

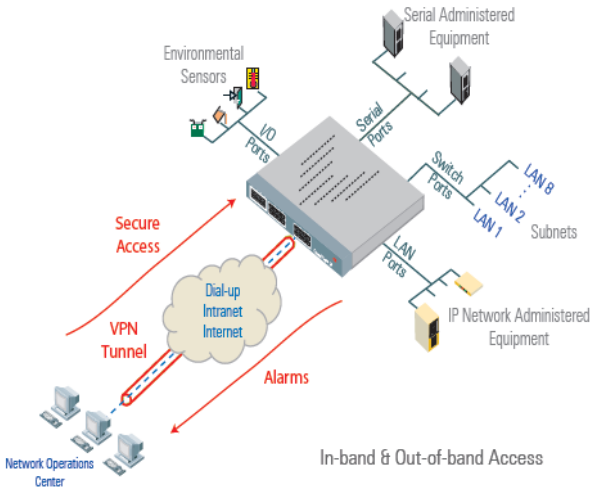
ComView IPx is capable of monitoring alarm conditions at its contact inputs, serial ports, and network ports according to user-definable alarm signatures. It can filter, escalate, and automatically deliver alarm messages to multiple locations in different notification formats over dial-up and/or network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

To let you do more, ComView IPx 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. Industry widely adopted 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.

ComView IPx enables you to consolidate the proactive management of a wide range of serial and IP network administered equipment as well as environmental sensors and devices at the remote equipment site. It is 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
- Console server
- 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
- 3x10/100Mbps Ethernet ports
- 8-port VLAN Ethernet switch
- 17 serial ports
- 18 logical IP ports
- 1 local access port
- 4 contact inputs
- 2 outputs
- 128Mb data memory
- Compact ATA Flash card
- Integrated UPS, min. 1-hour operational backup
- 9Vdc power supply
- 19" 1U rack mountable

Features

- Embedded UNIX operating system
- Perl scripting language
- Task scheduler
- Mid-level SNMP manager - SNMP traps detection, filtering, and forwarding
- Script-based interactive 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
- Definable corrective action on alarm event through scripts
- Data capturing and alarm monitoring through logical IP ports
- Transparent access to serial ports
- Dial-up access to LAN
- Direct IP to Serial connection
- On-demand, user programmable virtual LANs
- Online monitoring of incoming data stream
- Online monitoring of contact input conditions
- Monitoring of TCP/IP application 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
- TACACS+ AAA with access control over individual user commands
- Definable access time window
- SSH-based access
- IPv4/IPv6 networking
- IPsec VPN networking
- Secure lock-down mode operation (disable unused network services)
- Online monitoring of user activities at ports
- 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 IPx-64A-128M-56

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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.

Note: ComView is not intended for use with medical and life saving equipment or in any environment where its failure can result in deaths. Refer to CSS terms and conditions for more details.