



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

ComView IP_u integrates an 8-port intelligent console server, a 2-port 10/100 Ethernet firewall router, an 8-port 10/100 Ethernet VLAN switch, an 8- logical IP port server, an IPSec VPN/OpenVPN gateway, V.92/56K global modem, 32/64 wet/dry contact sensing inputs, 8 12-bit bipolar analog inputs, 8 relay-driven outputs, redundant AC & DC power inputs, and a suite of access security and management application software in a 1U rack mountable, standalone hardware device.

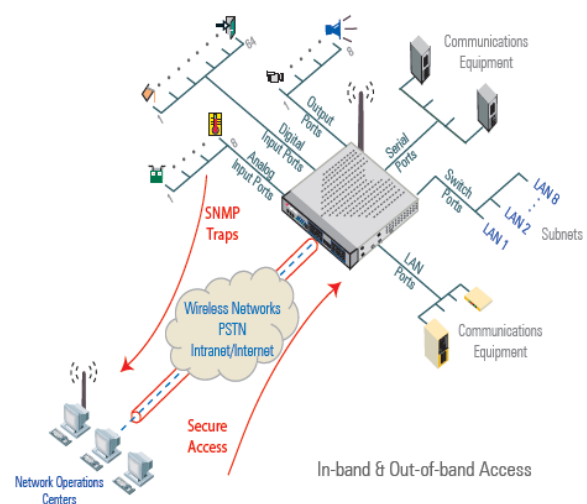
ComView IP_u is capable of monitoring alarm conditions at its contact inputs, analog inputs, serial ports, and network ports according to user-definable alarm signatures. It can filter, escalate, and automatically deliver alarm messages to multiple locations in different notification formats over dial-up and/or network connection. To let you do more, ComView IP_u supports industry widely adopted Perl scripting language. It can run Perl scripts to take corrective action in response to detected alarm or to perform regular equipment maintenance routines automatically.

ComView IP_u 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. It can automatically collect and monitor data for alarm condition either passively or actively through dialog with the connected equipment.

ComView IP_u enables you to consolidate the proactive management of a wide range of serial and IP network administered equipment as well as a wide range of contact/voltage-based environmental sensors and controls, communications equipment, power systems, security devices, and other manageable devices. ComView IP_u is the right solution for your remote equipment administration, management, monitoring, and other services delivery.

Applications

- Consolidated equipment site administration & monitoring
- Environmental condition monitoring and control
- High-port density contact monitoring
- 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
- Standardize equipment access



24/7



Hardware

- Low-power, high-performance 32-bit processor
- 8 serial ports
- 8-port VLAN 10/100 Ethernet switch
- 32 contact inputs (expandable to 64)
- 5 bipolar analog inputs - single ended, differential, or 4-20mA current loop
- 2 bipolar analog inputs - single ended, prescaled for high voltage signals
- 1 type K thermocouple analog input
- 8 relay-driven outputs
- 2 10/100 Ethernet ports, IP addressable
- Global 56K/V.90 modem
- 1 local access serial port
- AC input, 9Vdc universal AC/DC power adapter
- Dual DC inputs, accepting 9Vdc-48Vdc range, polarity insensitive
- Dimensions: 12.72"(W) x 8.55"(D) x 1.71"(H), 19" 1U rack mountable
- Weight: under 2 lbs

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
- SMS messaging (network dependent)
- Map ASCII events to SNMP traps
- Map contact conditions to SNMP traps
- Map analog inputs 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 and analog input conditions
- Self-diagnostics, operational integrity checks, and notification
- Self-extracted downloadable configuration text files and software upgrades
- Customizable software

Security

- 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 IPw-64A-128M-56-nn

(nn = '32' or '64' for number of contacts)

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

