



ComView Wx is a wireless, SNMP and Modbus RTU/ TCP-manageable, multi-functional device designed for remote equipment access, control, and alarm monitoring applications that require I/O connectivity and convenient use of mobile phone for SMS based site access.

ComView Wx integrates a quad-band GSM/GPRS wireless modem, a 4-port intelligent console server, a network firewall router, a 4-port 10/100 Ethernet VLAN switch, an 8-logical IP port server, an IPSec VPN/OpenVPN gateway, 20 wet/dry contact sensing inputs, 8 12-bit bipolar analog inputs, 7 relay-driven outputs, redundant AC & DC power inputs, and a suite of access security and management application software in a standalone hardware device.

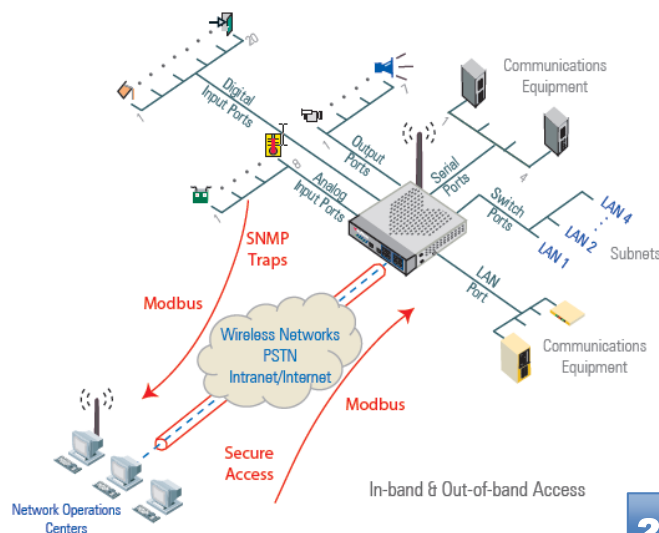
ComView Wx is capable of monitoring alarm conditions at its contact inputs, analog inputs, serial ports, and network ports according to user-definable alarm signatures. It can filter, escalate, and automatically deliver alarm messages to multiple locations in different notification formats over wireless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

To help facilitate on-the-road alarm resolution and site control & status queries, ComView Wx integrates a secure SMS message exchange protocol to let you conveniently interact with the site using just your mobile phone. Furthermore, ComView Wx easily lets you manage your equipment from both the IT world - using SNMP and the process-control world - using Modbus RTU/TCP for operational redundancy and effectiveness.

ComView Wx 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 Wx 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
- 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
- 4 serial ports
- 4-port 10/100 Ethernet VLAN switch
- 20 contact inputs – wet/dry
- 4 bipolar analog inputs—single ended, differential, or 4-20mA current loop
- 4 bipolar analog inputs—single ended prescaled for high voltage signals
- 7 relay-driven outputs
- 1 10/100 Ethernet port, IP addressable
- Quad-band GSM/GPRS wireless modem
- 1 local access serial port
- AC input, 9Vdc universal AC/DC power adapter
- DC input, accepting 20Vdc-60Vdc range, polarity insensitive
- Dimensions: 7.30”(W) x 5.30”(D) x 1.71”(H)
- Weight: under 2 lbs

Features

- Embedded UNIX operating system
- Perl scripting language
- Task scheduler
- Secure SMS message exchange for user access
- SNMP manageable
- Modbus RTU & TCP manageable
- 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 escalation

- tions on thresholds
- Alarm notification:
 - SNMP traps over network
 - ASCII message over TCP socket
 - Email messaging
 - SMS 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
- Direct IP to Serial connection
- On-demand, user programmable virtual LANs
- Online monitoring of incoming data stream
- Online monitoring of contact 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)
- SMS access with access control list and callback support
- Definable user profiles, access privileges
- Definable port-level access restriction
- Definable user command access restriction
- TACACS+ AAA with access control over individual user commands

- RADIUS
- Definable access time window
- SSH-based access
- IPv4/IPv6 networking
- IPsec VPN/OpenVPN 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

- Modbus RTU & TCP
- BACnet
- TCP, UDP, ARP, ICMP
- Telnet, SSH(v1&v2), FTP, HTTPs
- SNMP, DHCP, SMS
- IPv4/IPsec, IPv6
- SSL(v2/v3), TLS(v1)

Ordering Information

ComView WX -64A-128M-G
(GSM/GPRS Modem Option)

ComView WX -64A-128M-56
(56KV.92 Modem Option)

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.

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