ComView NXs
REMOTE SITE MANAGEMENT

ComView solutions bring simplicity with a modern approach to addressing remote site management needs to improve operational efficiency and cost effectiveness.

Based on modular software architecture together with commonly used Linux OS and popular Python programming language, ComView solutions can be readily customized to meet user-specific requirements; while empowering users with "Do-It-Yourself" approach to put them in control of the solutions so that they remain relevant for years to come.

TYPICAL APPLICATIONS:

♦   Telecom facility management

♦   Radio communication station management

♦   Utilities substation management

♦   Building management

♦   IT/data center management

ComView NXs lets users manage their remote sites with serial connectivity, serial data collection and monitoring; logging and monitoring of syslogs, SNMP traps, network-based data streams, and temperature measurements; monitoring of contact-based sensors and equipment alarm relays; and control of onsite devices.

versatility
adaptability
longevity
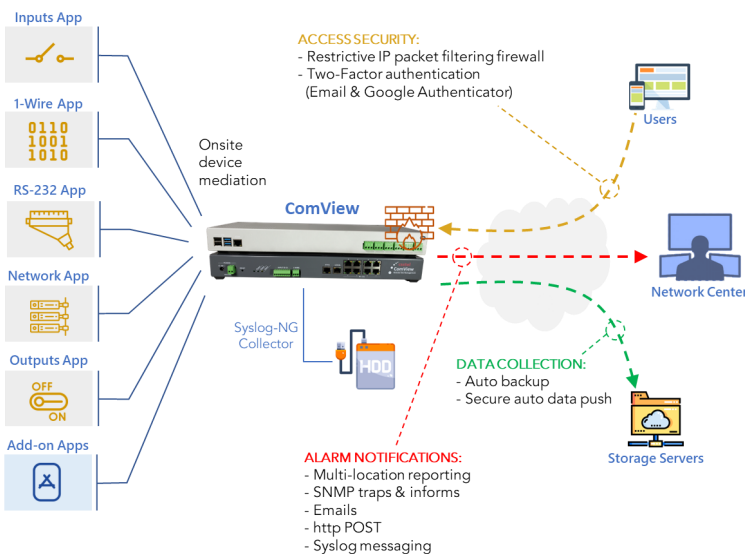
APPLICATION EXAMPLES:

• Secure access to server console ports

• Remote server administration

• IP-to-serial connectivity

• Serial data collection & monitoring

• Syslog collection & monitoring

• SNMP trap collection & monitoring

• Network-based ASCII data collection & monitoring

• Temperature measurements & monitoring

• Environmental conditions monitoring

• Sensor contacts & equipment alarm relays monitoring

• Interactive and automatic control of onsite devices

• User-specific add-on applications

HARDWARE FEATURE HIGHLIGHTS

- **CPU:** quad-core Cortex-A72 64-bit @ 1.5GHz
- **Memory:** 2 GB RAM + 32 GB (min.) microSD card
- **Networking**: 1Gb Ethernet + 10/100 Ethernet
- **Inputs:** 4x non-isolated
- **Outputs:** 6x output relays, SPDT (1 FORM C), 10A/250VAC
- **1-Wire:** dedicated 1-Wire bus controller, support for up to 64x DS18B20 digital thermometers
- **RS-232:** 1x console + 8x serial
- **USB:** 2x USB 3.0 + 2x USB 2.0
- **Real-time clock** with lithium battery backup

- **Supervisory & reset** controller
- **Multi-functioned reset** pushbutton
- **LED indicators**: Power, Status, Alarm
- **Power supplies**:
  - 9Vdc/25W, approximately 5W in normal operating condition
  - Dual inputs: circular DIN + 2-pin screw terminal block
- **Physical properties**:
  - Dual tone grey painted aluminum
  - 1U 19" rack mountable, wall mountable, and desktop
  - Dimensions: 16.3"x 6.3"x1.72" (WxDxH)
  - Weight: approx. 1.2kg

SOFTWARE FEATURE HIGHLIGHTS

- **Ubuntu Server** 64-bit 22.04 LTS, Linux OS
- **Modular software architecture** with user apps developed based on Python, Flask, NGINX and together with software APIs make 'Do-It-Yourself' possible for app enhancements, customization, and new add-ons
- **Web interface** provides users with a dashboard for quick site overview, device configuration, real-time data viewing, control, productivity utilities, and data visualizations
- **Secure access** with restrictive IP packet filtering firewall, two-factor authentication (2FA) via email or Google Authenticator, password quality and lifecycle policies
- **Data collection** with user-definable data push schedule helps simplify data acquisition from remote sites
- **Alarm monitor** lets users define alarm conditions, corrective actions to take on alarm via activation of output and user script; and delivers alarm to multi locations via email, SNMPv1/v2c/v3 traps/informs, HTTP POST, Syslog
- **Inputs app** monitors dry contacts with user-definable alarm conditions and takes corrective actions on alarm
- **Outputs app** provides users with interactive and automatic activation of output relays
- **1-Wire app** measures temperature with DS18B20 digital

thermometers with user-definable alarm conditions on fall-below, rise-above, or equal threshold, and corrective actions

- **RS-232 app** provides users with secure transparent SSH access to serial ports, data collection, alarm monitoring on user-definable alarm signatures with corrective actions
- **Network app** enables TCP/UDP-socket based data collection, alarm monitoring on user-definable alarm signatures with corrective actions
- **SNMP trap receiver app** collects and monitors SNMP traps/informs from network devices for user-definable alarm signatures with corrective actions
- **Syslog monitor app** collects logs from network devices, optionally stores logs in an external drive for syslog management use, and monitors for user-definable alarm signatures with corrective actions
- **SNMP agent** lets users poll data from site more readily with SNMP-based NMS
- **Self-supervision** maintains the device high uptime, high accessibility, and operational integrity to support remote site management
- **Software upgrade** via Debian package

ORDERING INFORMATION
♦ ComView NX**s**

csstel