

VIDA VIRTUAL SITE

Enhanced P25 Site Management

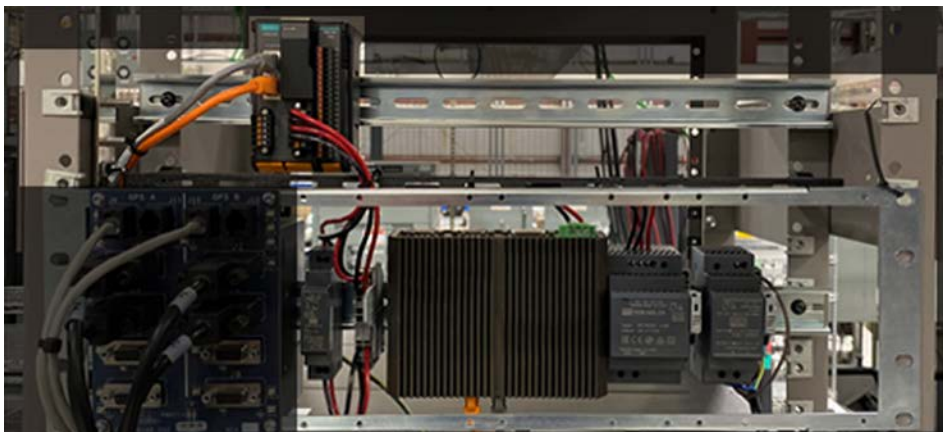
VIDA® Virtual Site (VVS) provides site management and data communication services for transmit sites in a VIDA P25 Network. Built on a ruggedized industrial computing platform, VVS employs Virtual Machine (VM) technology to host site management and IP data mobility applications.

The VVS Network Sentry application runs on a Windows® 10 VM to provide site, call and fault monitoring services. VVS also employs the P25 Mobile IP Subsystem (PMIPS) application running on a Linux® VM to provide subscribers with P25 IP network data capabilities.

The VIDA Virtual Site can be custom configured with optional modular Input/Output (IO) adapters for analog and digital input alarms and outputs for remote control of site equipment. Alarms are sent to VIDA network management systems to highlight the location of potential problems or provide detailed information about the severity, status, and reason for failures.

The VIDA Virtual Site's various I/Os can be configured to indicate faults in remotely controlled and monitored devices including tower beacons, doors and temperature alarms. Each installation can be independently configured for the unique I/O requirement of each site and scaled to add additional modules if requirements grow over time.

When configured with the PMIPS application, VVS sites provides P25-compliant IP data services for registered subscribers, including the Over-the-Air-Rekeying Key Management Application, VIDA ID and ProFile™ personality management services, Radio TextLink, StatusAware, Tier 2 location services and third-party applications to communicate via IP to subscribers on the radio network.



Installations are independently configured for each site and support adding modules as needed.



KEY BENEFITS

- > Employs VM technology to host site management and IP data mobility applications
- > Supports P25 network site, call and fault monitoring
- > Provides ongoing monitoring, alarms and remote control for remote equipment
- > Supports rich data services for IP network subscriber communications

GENERAL	
Hardware	Modular Industrial Computer, Power Supply Modules, and Input/Output Modules
Standard Mounting	DIN Rail, 19" cabinet or rack
Input Voltage	Options for 120VAC, 240VAC, and 48VDC sites AC: 85-264VAC DC: 18-75VDC
Compute Platform	Intel® Pentium® N4200 Quad Core, 8GB RAM 120GB SSD
Compute Platform Dimensions (H x W x D)	4.1" x 5.9" x 2.1" (105 x 150 x 52.3) mm as mounted
Operating Systems	CentOS KVM Hypervisor Windows 10 – Network Sentry application CentOS Linux – PMIPS application

ENVIRONMENTAL	
Temperature	-20/+60C

I/O INTERFACES	
Input	Discrete Modules for: 16 Digital input – active high 16 Digital input – active low 8 Digital input/8 Digital output 8 Analog input The Network Sentry application supports up to 120 digital inputs and 40 analog inputs
Output	Discrete Modules for: 16 Digital Output (sink) 16 Digital Output (source) The Network Sentry application supports up to 96 digital outputs

STANDARD KIT INCLUDES	
SAMD8E	Compute Platform with Hypervisor, Windows 10 VM, Network Sentry application, DIN mounting rail and mounting hardware for 19" rack or cabinet

*See Product Catalog for Accessories